March 17, 2014

Mr. Kevin Gregory
Acting Director, Consultant Management Bureau
NYS Dept. of Transportation
POD # 33
50 Wolf Road
Albany, NY 12232

Attention: Mr. Anjan Sen, P.E.

**Re: PIN 8806.51.101 Harrison Landfill Area (#360065)**
**Harrison Sub-Residency**
**Westchester County, New York**

Dear Mr. Sen:

The following letter report summarizes the field investigative procedures and results of the sampling, conducted by Henningson, Durham & Richardson Architecture and Engineering P.C. (HDR) on behalf of the New York State Department of Transportation (NYSDOT) at the above referenced site (Figure 1). The site, once a seasonal highway maintenance support and salt storage facility operated by the NYSDOT, is now occupied by the Town of Harrison. The site includes approximately 2.6 acres of landfill area (Figure 2) that was closed in December 1998.

The objectives of the post-closure sampling and monitoring program are to 1) evaluate the environmental impacts of the landfill, if any; 2) meet the post-closure monitoring requirements of the New York State Department of Environmental Conservation (NYSDEC) and; 3) provide the NYSDEC with data to evaluate and/or modify the existing sampling and monitoring program. The sampling was conducted in accordance with our October 16, 2013 approved scope, which was developed in accordance with the NYSDOT's *Operation and Maintenance Plan for the Harrison Sub-Residency, Landfill and Petroleum Spill Area, February 2010.* Currently the post-closure sampling and monitoring program is performed every fifth quarter.

**Field Investigative Procedures**

Groundwater monitoring at the site was performed to meet the monitoring requirements of the New York State Department of Environmental Conservation (NYSDEC) relating to the Harrison Landfill Area (#360065). A discussion of the groundwater data from the groundwater monitoring wells is presented in this report.

On October 23rd and 24th, 2013, HDR sampled the groundwater wells, sediments samples, surface water samples and air quality measurements to monitor the Harrison Landfill Area. HDR obtained samples

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from five groundwater monitoring wells (PC-1, PC-2, PC-3, LMW-2, and LMW-4), three surface water locations (SW-1, SW-2, and SW-4), and four sediment samples (SD-1, SD-2, SD-3, and SD-4) for chemical analysis. Additionally, eight air monitoring points (GV-1, GV-2, GV-3, GV-4, NPL, EPL, SPL, and WPL) were inspected using various air quality monitoring techniques. It should be noted that SW-3 was not sampled due to dry conditions. Prior to commencing site activities, HDR conducted a visual inspection of the groundwater monitoring well casings and well heads to note any signs of damage or tampering. Static water level measurements and total depth measurements from all groundwater monitoring wells were also recorded.

Prior to commencement of sampling, a round of static water level measurements and total depth measurements were collected from all monitoring wells and field instrumentation were calibrated according to the respective manufacturer's standards. At the Landfill Area (Figure 2), groundwater, surface water/sediment and gas monitoring were conducted by HDR as part of the sampling event. Sampling information is included on sampling logs in Attachment A. Per the NYSDOT February 2010 O&M Plan, HDR inspected the landfill cap (for signs of vector/vermin) and the perimeter drainage swales. No evidence of vector/vermin was apparent.

**Groundwater** samples were collected from the following five (5) monitoring wells listed below with regard to their relationship to the landfill and also shown on Figure 3:

| On-Site/Site Background | On-Site/Downgradient | Off-Site/Downgradient |
|---|---|---|
| LMW-2 | LMW-4 | PC-3 |
| | PC-1 | |
| | PC-2 | |

Each well was purged of three well volumes or until dryness using a Whale pump equipped with a Rheostat (for adjustable flow), in-line flow cell, and dedicated tubing, where possible. Monitoring well PC-2 is bent, allowing neither a Whale pump nor a bailer to be used for sampling; therefore, a peristaltic pump with dedicated tubing was used to both purge and sample this well. Field parameters of temperature, turbidity, dissolved oxygen (DO), pH, specific conductivity, and oxidation-reduction potential (Eh) were collected during purging and sampling at each well (Attachment A). The monitoring wells were sampled once they recovered to approximately 75% of their initial volume or within 2 hours, whichever came first. Groundwater samples were collected for contract laboratory analysis from each location using a dedicated bailer. Samples were transferred to clean, pre-preserved (as necessary) laboratory-supplied containers for analysis of target compound list (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), and target analyte list (TAL) metals (filtered only), including cyanide and chloride. Metals samples were filtered and preserved by the laboratory. One (1) groundwater field duplicate was collected from monitoring well PC-1 and one (1) trip blank was submitted. The duplicate sample was collected at the same time and for the same landfill parameters as the parent sample. The duplicate sample was given a "fictitious" sample ID (DMW-5-10232013) as to not indicate to the laboratory that it was a duplicate sample.

**Surface water (SW)/Sediment (SD)** samples were proposed to be collected from the following four (4) locations listed below with regard to their relationship to the landfill and also shown on Figure 4:

| On-Site/Site Background | On-Site/Downgradient | Off-Site/Downgradient |
|---|---|---|
| SW/SD-1 | SW/SD-2 | SW/SD-4 |
| | SW/SD-3 | |

Locations SW/SD-3 was dry at the time of sampling; therefore, only a sediment sample was collected at this location. Prior to sample collection at the remaining three locations, approximate stream flow and stream depth were recorded. A surface water sample was collected from each respective location first, in order to minimize sample turbidity, using a clean stainless steel ladle. SW-1 was collected from a point located at the eastern section of wetlands B. SW-2 was collected from a point located at the northeastern section of wetlands A. SW-4 was collected from a point located just northeast of the 36-in. reinforced concrete pipe (RCP) culvert that diverts the stream southwest under Route 120 to Rye Lake. Field parameters of temperature, turbidity, DO, pH, and specific conductivity were collected during sampling at each location (Attachment A). Following collection of the surface water sample, a sediment sample was collected from the same general area as the surface water sample using a clean stainless steel trowel. Surface water and sediment samples were transferred to clean, pre-preserved (as necessary) laboratory-supplied containers for contract laboratory analysis of TCL VOCs, TCL SVOCs, and TAL metals (unfiltered only), including cyanide and chloride.

One (1) surface water field duplicate was collected from location SW-4 and one (1) trip blank was submitted. The duplicate sample was collected at the same time and for the same surface water parameters as the parent sample. The duplicate sample was given a "fictitious" sample ID (SW-15-10242013) as to not indicate to the laboratory that it was a duplicate sample. A field blank was collected using laboratory supplied de-ionized (DI) water on a pre-cleaned ladle. The field blank was conducted by pouring the DI water into the ladle then into the sample jars. The field blank was analyzed for the same set of parameters analyzed for the surface water samples.

**Gas** monitoring was conducted at each of the four (4) gas vents (GV-1 through GV-4) and along the perimeter of the property line, as shown on Figure 5, to verify that any gases, produced as a result of the natural decomposition of waste, do not pose a hazard to health or safety. Prior to collecting measurements at each location, ambient readings were recorded. Each location was monitored for methane and other explosive gases with a combustible gas indicator (CGI). Gas vent readings were obtained by inserting the instrument detector probe into the vent. The CGI was set to sound an alarm if the readings exceeded 10% of the lower explosive limit (LEL) of methane. In addition, alarms were set at 10% of the LEL of hydrogen sulfide, 25 parts per million (ppm) of carbon monoxide and 19.5% and 23.5% of oxygen. A photoionization detector (PID) and a flame ionization detector (FID) were used to monitor for VOCs around the perimeter of the landfill and at each of the four gas vents.

**Results**

**Groundwater** samples were analyzed in accordance with the National Environmental Laboratory Accreditation Program (NELAP). The results were compared to the NYSDEC Class GA standards or guidance values (GV) and are summarized on Table 1. Field parameters for temperature, pH, specific conductance, and turbidity are provided on the groundwater well sampling logs included in Attachment A. A copy of the analytical laboratory data is presented in Attachment B. (Note that the Harrison Sub-Residency landfill area was sampled concurrently with the spill site (Spill #94-07349); therefore, one of the data packages includes results from both sample sites.)

There were no detectable concentrations of VOCs with the exception of acetone and carbon disulfide in one sample each. Both acetone and carbon disulfide are known laboratory contaminants and their presence in the groundwater samples is not considered to be indicative of site conditions. Additionally, there were no detectable concentrations of SVOCs with the exception of caprolactam in a few of the samples collected. Caprolactam is used in the production of nylon and may be present due to the use of nylon rope with the bailers to collect the groundwater samples. All concentrations were below their respective standards or GVs, where available.

There were no detectable concentrations of any Resource Conservation and Recovery Act (RCRA) metals in exceedance of the respective groundwater standards or background ranges, where available. Detectable concentrations of three non-RCRA metals (iron, manganese and sodium) exceeded their respective groundwater standards. Iron was detected at the on-site/downgradient wells LMW-4 and PC-2 at concentrations of 64,000 and 21,000 ug/l, respectively, which exceed the Class GA standard of 300 and the natural ambient groundwater range of 10 to 10,000 ppb for iron. Manganese was detected at on-site/downgradient wells LMW-4, PC-1 (and its duplicate sample), and PC-2 at concentrations of 15,000, 740 (duplicate 730) and 10,000 ug/l, respectively, which exceed the Class GA Standard of 300 ug/l. Concentrations of manganese detected at LMW-4 and PC-2 are also greater than the natural ambient groundwater range of <1 to 10,000 ppb for manganese. Sodium was detected at all sampling locations at concentrations ranging from 30,000 ug/l at the on-site/upgradient well LMW-2 to 99,000 ug/l in the duplicate sample collected from PC-1. All concentrations exceeded the Class GA standard of 20,000 ug/l but were within the natural ambient groundwater range of 500 to 120,000 ppb for sodium. The remaining metals sample results were either not detected at the respective analytical reporting limits or were less than available NYSDEC standards or guidance values.

Chloride and cyanide were not detected above their respective Class GA standards in any of the groundwater samples collected.

**Surface water** samples were collected and analyzed for in accordance with NELAP. As was mentioned above, due to dry conditions, a sample could not be collected from location SW-3. Analytical results are presented in Table 2. Surface water results were compared to both NYSDEC Ambient Water Quality Class GA Groundwater Standards and Guidance Values and NYSDEC Class A Surface Water Standards and Guidance Values, where available, as these water bodies are tributaries to the Kensico

Reservoir, which is a source of drinking water. Class A standards were available for surface water as a source of drinking water H(WS), human consumption of fish H(FC), fish propagation A(C), fish survival A(A), protection of wildlife (W), and aesthetics (E). Select standards rely on sample specific conditions (i.e., hardness concentrations) and therefore were not included. Where appropriate, the most conservative standard or guidance value was used for comparison purposes. Field parameters for temperature, pH, specific conductance, and turbidity are provided on the surface water sampling log included in Attachment A. A copy of the analytical laboratory data is presented in Attachment B.

There were no detectable concentrations of VOCs or SVOCs in any of the samples collected.

There were no detectable concentrations of any RCRA metals in exceedance of available standards or GVs. Detectable concentrations of two non-RCRA metals (iron and manganese) exceeded their respective Class A and/or Class GA standards or GVs. Iron was detected at the on-site/upgradient sample location SW-1 and the off-site/downgradient sample locations SW-3 and SW-4 at concentrations of 1,900, 520, and 300 ug/l, respectively, which exceed the Class GA and Class A standard for fish propagation and fish survival of 300 ug/l but are within the natural ambient groundwater range of 10 to 10,000 ppb. Manganese was detected at the on-site/upgradient sample location SW-1 and the off-site/downgradient sample location SW-2 at concentrations of 1,700 and 340 ug/l, respectively. The concentrations detected at both locations exceeded the Class GA and Class A aesthetic standard of 300 ug/l but SW-2's results were within the natural ambient groundwater range of less than 1 to 1,000 ppb while SW-1's was the same order of magnitude as the upper limit. Results for the remaining metals analyzed were either non-detect at the respective analytical reporting limits, or less than the respective Class GA and/or Class A standards or guidance values.

Chloride was detected in the surface water samples collected from SW-1, SW-2 and SW-4 at concentrations of 6.3, 6.6 and 6.5 mg/l, respectively, which are below the Class GA and Class A standards. Cyanide was not detected in any of the surface water samples.

**Sediment** samples were collected and analyzed in accordance with NELAP. Samples were collected from all locations SD-1, SD-2, SD-3 and SD-4. Analytical results are presented in Table 3 and were compared to the NYSDEC Technical Guidance for Screening Contaminated Sediments. The criteria for metals are given as Severe Effect Level (SEL) and Lowest Effect Level (LEL). According to this Guidance, a sediment sample is considered contaminated if either criterion is exceeded. If both criteria are exceeded, the sediment sample is considered to be severely impacted. If only the LEL criterion is exceeded, the impact is considered moderate. Sample depths and field observations are provided on the sediment sampling log included in Attachment A. A copy of the analytical laboratory data is presented in Attachment B.

Sediment screening criteria for organic compounds are based upon the amount of organic carbon, or total organic carbon (TOC), in an individual sample. Since the sediment samples collected were not analyzed for TOC, a direct comparison cannot be made and the criteria are therefore used only for relative comparison purposes. For purposes of this report the sediment screening criteria relative to

fresh water and human health were used. There were no detectable concentrations of VOCs in the sediment samples collected. Trace amounts of polycyclic aromatic hydrocarbon (PAH) SVOCs including acenaphthene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, indeno[1,2,3-cd]pyrene and phenanthrene were detected in one or more of the sediment samples collected. A majority of these compounds were detected in the SD-3 sample location.

Metals detected in the samples collected from SD-1, SD-2, SD-3 and SD-4; include cadmium, copper, iron, lead, manganese, nickel, and zinc. Each metal exceeded their respective LEL and/or SEL. The concentration of cadmium detected at SD-3 was 2.5 mg/kg, which exceeded the cadmium LEL of 0.6 mg/kg. The concentration of copper detected at SD-3 was 35 mg/kg, which exceeded the copper LEL of 31 mg/kg. The concentration of iron detected at SD-2 and SD-3 at 20,000 and 23,000 mg/kg, respectively, exceeded the iron LEL of 20,000 mg/kg. The concentration of lead detected at SD-3 was 270 mg/kg, which exceeded the lead LEL of 31 mg/kg and the SEL of 110 mg/kg. The concentration of manganese detected at SD-1, SD-2, SD-3, and SD-4 was 580, 2,500, 700 and 1,500 mg/kg, respectively. These results exceeded the manganese LEL of 460 mg/kg and the SEL of 1,100 mg/kg. The concentration of nickel detected at SD-3 was 22 mg/kg which exceeded the nickel LEL of 16 mg/kg. The concentration of zinc detected at SD-3 was 190 mg/kg, which exceeded the zinc LEL of 120 mg/kg. The remaining results were either not detected at the respective analytical reporting limits or were less than criteria, where available.

**Gas monitoring** results revealed no readings that exceeded the percent LEL for methane and preset alarm levels for hydrogen sulfide, carbon monoxide and oxygen. PID and FID readings were generally consistent with background readings with the following exception. FID readings were collected with and without a methane filter. Readings from gas vent GV-2 indicated the presence of some methane. FID readings were also noted in gas vent GV-4; however, the readings were comparable with and without the methane filter.

**QAQC sampling** was conducted as discussed above. There were no detectable concentrations in the trip blank or field blank samples collected. A duplicate sample was collected from groundwater monitoring well PC-1. The relative percent difference (RPD) was calculated for the sample collected from PC-1 and its duplicate sample (Table 4), DMW-5-10232013, using the following formula:

$$\% \text{ RPD} = \frac{X_1 - X_2}{(X_1 + X_2)/2} * 100\%$$

where, X1 is the original value (PC-1), and
X2 is the duplicate value (DMW-5-10232013)

RPD was not calculated for results where both samples were non-detect. For the remaining groundwater analytical results the RPD ranged from 0% to 17.89%, where 0% would indicate the results were the same. With the exception of caprolactum, the results of the RPD calculation indicate the results are within precision standards for both sampling and laboratory protocols.

A duplicate sample was collected from surface water location SW-4. The RPD was calculated for the sample collected from SW-4 and its duplicate sample (Table 5), SW-15-10242013, using the same formula above.

RPD was not calculated for results where both samples were non-detect. For the remaining analytical results the RPD ranged from 0% to 18.18%, where 0% would indicate the results were the same. With the exception of iron, the results of the RPD calculation indicate the results are within precision standards for both sampling and laboratory protocols.

**Conclusions and Recommendations**

Groundwater analytical results revealed elevated levels, greater than the respective Class GA standards or GVs, of the non-RCRA metals sodium, iron, and manganese in the filtered results obtained at one or more of the downgradient well locations. Elevated sodium concentrations were also detected in the on-site/upgradient well as well as the off-site/downgradient well. Concentrations of iron and manganese in the downgradient/on-site wells are greater than the concentrations detected in the upgradient/site background well, LMW-2, which would indicate some contribution from the landfill. However, iron and manganese concentrations are less in the downgradient/off-site monitoring well (PC-3) and are comparable in concentration to that of the upgradient/site background well, LMW-2, indicating any potential contribution of these metals to off-site groundwater from the landfill is not significant. The remaining groundwater sample results were either non-detect or less than the respective NYSDEC Class GA standards or GVs.

Surface water analytical results were obtained from an upgradient location/site background location (SW-1) and downgradient locations (SW-2 and SW-4); results for one or more of these samples revealed elevated levels of the non-RCRA metals iron and manganese. Concentrations of these metals were higher in the sample results obtained from the upgradient/site background surface water location. This would indicate a contribution from an upgradient/off-site source and not necessarily a release from the landfill. The remaining surface water sample results were either non-detect or less than the respective NYSDEC Class GA and/or Class A standards or guidance values.

Sediment analytical results revealed elevated levels of the metals cadmium, copper, iron, lead, manganese, nickel, and zinc at both the upgradient/site background location and/or one of the downgradient/on-site sediment sample location. Concentrations of many of these metals in the downgradient/on-site locations were detected at levels greater than the concentrations detected in the upgradient/site background location, SD-1, which would indicate some contribution from the landfill. There were no detectable concentrations of VOCs that exceeded the available sediment criteria. However, trace amounts of SVOCs were detected in background sediments, off-site downgradient sediments and in on-site downgradient sediments. The remaining sediment sample results were either non-detect or less than the respective sediment criteria.

PID and FID readings at the gas vents and perimeter of the landfill were generally consistent with background levels with the exception of the FID results for GV-2, which revealed the presence of methane. As mentioned above, methane levels at the time of the monitoring event did not exceed the percent LEL. Therefore the readings are likely a result of the natural decomposition of waste and do not pose a hazard to health or safety.

At the request of NYSDOT, HDR compiled databases for each sample media (groundwater, surface water and sediment) and prepared graphs to support evaluation of trends. Findings were presented and discussed with NYSDOT on a conference call held on March 14, 2014. The database and corresponding graphs can be found in Attachment C of this letter report.

In general, the results received during the October 2013 sampling event are comparable to results that have been seen at the landfill during past sampling events. The results indicate that the landfill may locally contribute or have contributed to elevated levels of contaminants on-site; any potential contribution off-site is not significant. NYSDOT will continue to monitor the Landfill on a fifth-quarterly basis.

If you have any questions or need additional information, please do not hesitate to contact me.

Very truly yours,

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Melissa E. LaMacchia
Associate | Project Manager

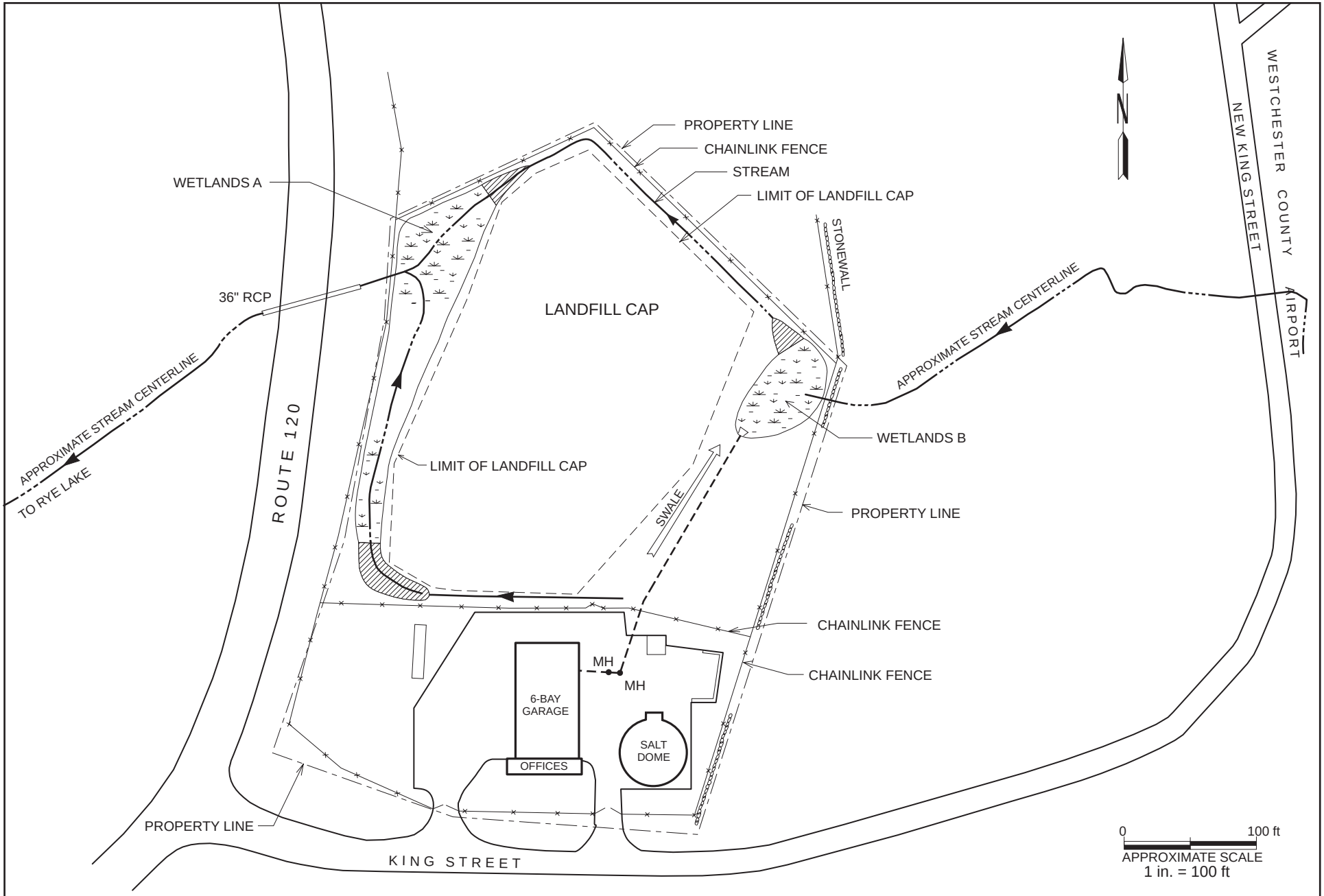
cc: G. Fitzgerald, NYSDOT Region 8

Attachments

# FIGURES


Name: GLENVILLE
Date: 1/23/2008
Scale: 1 inch equals 2000 feet

Location: 041° 04' 00.92" N 073° 42' 27.38" W NAD 27
Caption: Figure 1 - Site Location
Harrison Subresidency Site

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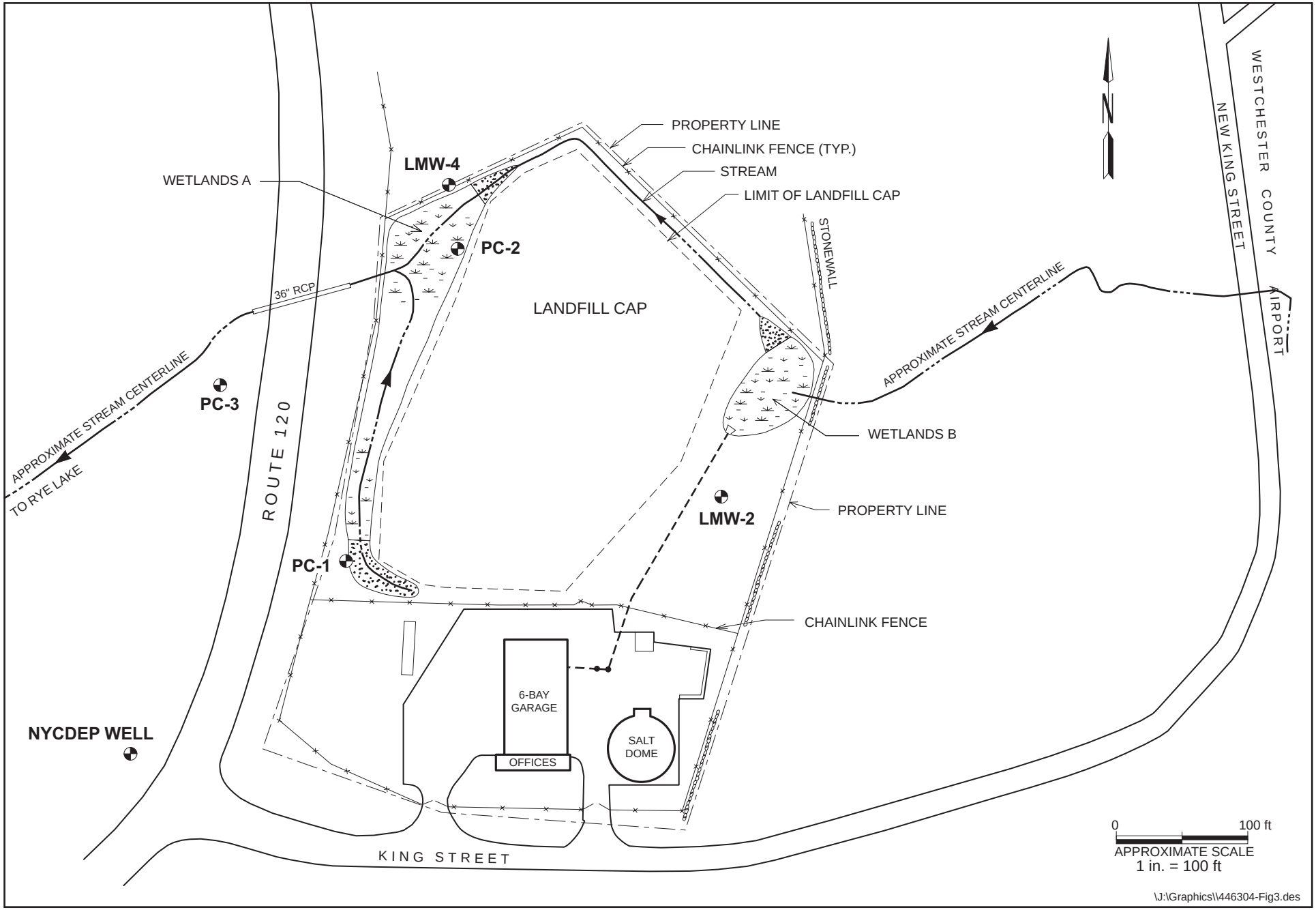
| | | | |
|---|---|---|---|
| HDR | Henningson, Durham & Richardson Architecture and Engineering, P.C. in association with HDR Engineering, Inc.<br>One Blue Hill Plaza<br>Pearl River, NY 10965 | **Site Map**<br>**HARRISON SUBRESIDENCY POST-CLOSURE QUARTERLY MONITORING REPORT** NYSDOT PIN: 8806.51.301 | **Figure 2** |

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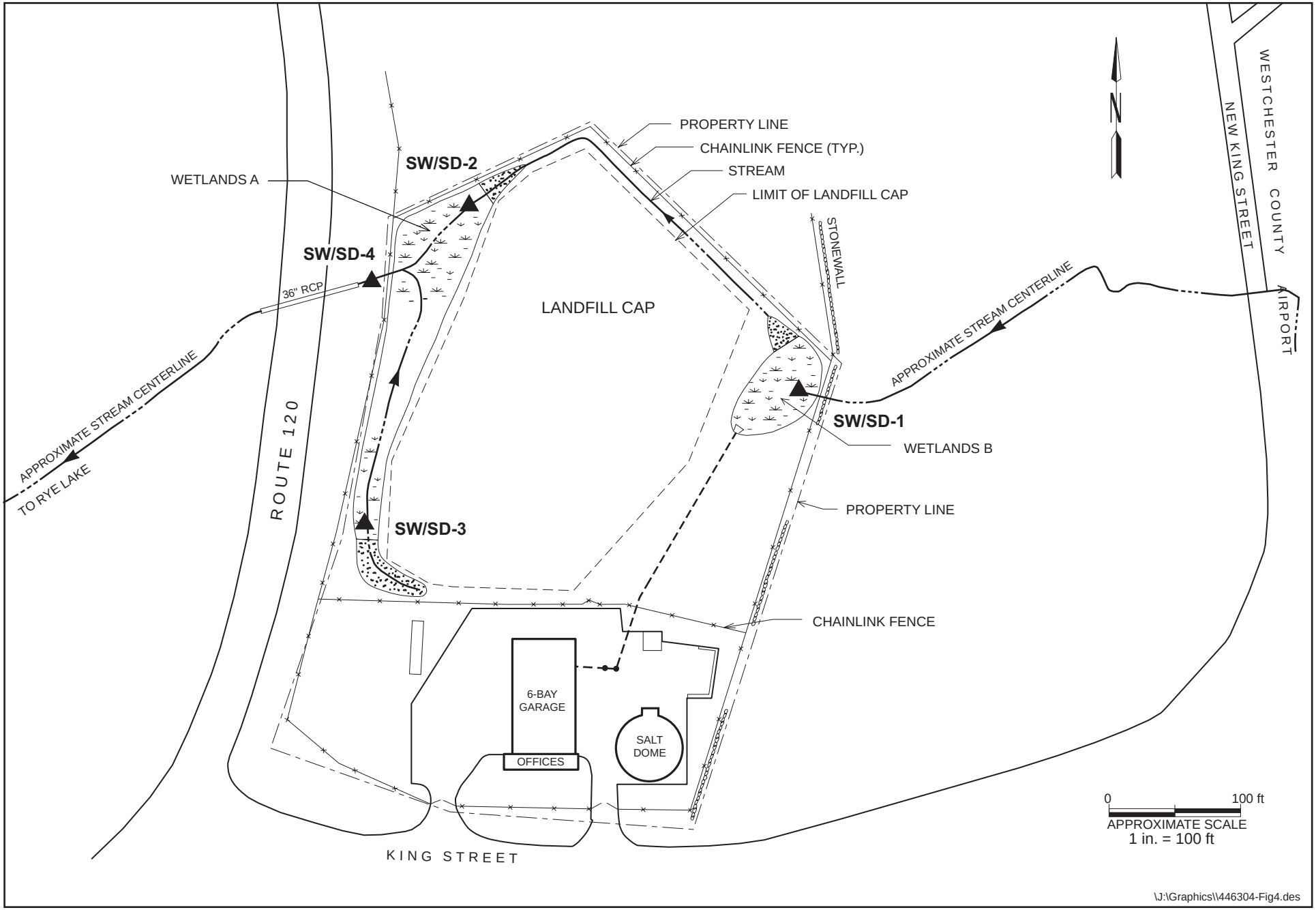
| | | | |
|---|---|---|---|
| HDR | Henningson, Durham & Richardson Architecture and Engineering, P.C. in association with HDR Engineering, Inc. One Blue Hill Plaza Pearl River, NY 10965 | **Groundwater Sample Locations** HARRISON SUBRESIDENCY POST-CLOSURE QUARTERLY MONITORING REPORT NYSDOT PIN: 8806.51.301 | **Figure 3** |

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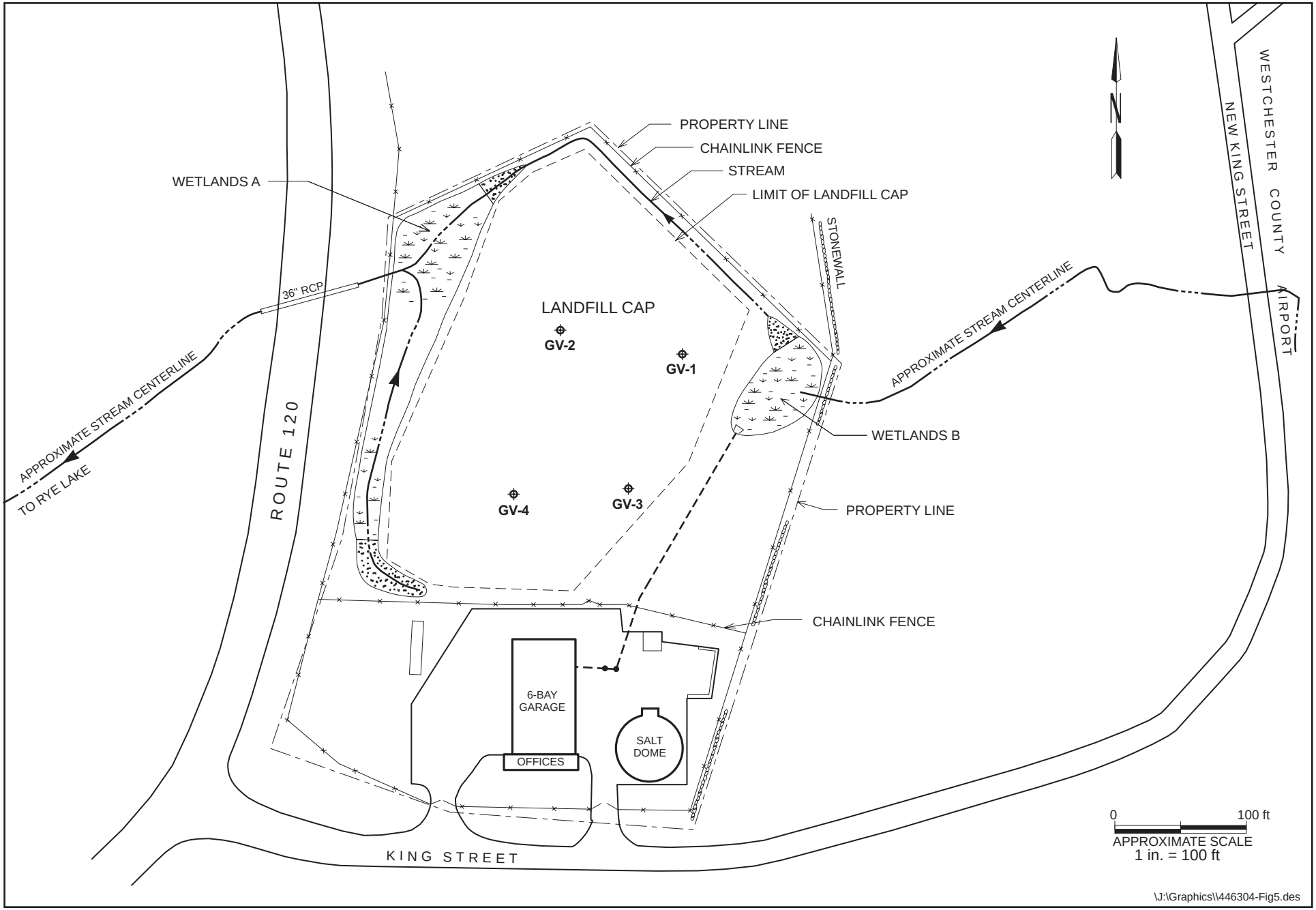
| | | | |
|---|---|---|---|
| HDR | Henningson, Durham & Richardson Architecture and Engineering, P.C. in association with HDR Engineering, Inc.<br>One Blue Hill Plaza<br>Pearl River, NY 10965 | **Surface Water and Sediment Sample Locations**<br>**HARRISON SUBRESIDENCY POST-CLOSURE QUARTERLY MONITORING REPORT** **NYSDOT PIN: 8806.51.301** | **Figure 4** |

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| | | | |
|---|---|---|---|
| HDR<br>Henningson, Durham & Richardson Architecture and Engineering, P.C. in association with HDR Engineering, Inc.<br>One Blue Hill Plaza<br>Pearl River, NY 10965 | **Gas Vent Locations**<br>**HARRISON SUBRESIDENCY POST-CLOSURE QUARTERLY MONITORING REPORT** | **NYSDOT PIN: 8806.51.301** | **Figure 5** |

# TABLES

TABLE 1

# GROUNDWATER DATA SUMMARY

## Fifth Quarter Sampling - Harrison Subresidency Landfill Area

**October 2013**

| PARAMETER | *Site Background* LMW-2 10/23/13 | LMW-4 10/23/13 | PC-1 10/23/13 | PC-2 10/23/13 | PC-3 10/23/13 | *Duplicate PC-1* DMW-5-10232013 10/23/13 | Trip Blank 10/23/13 | NATURAL AMBIENT GROUNDWATER RANGES (n) | NYSDEC CLASS GA STANDARDS (a) |
|---|---|---|---|---|---|---|---|---|---|
| **Metals (ug/L)** | | | | | | | | | |
| Aluminum | ND | ND | ND | ND | ND | ND | * | **<5.0 - 1000** | **NS** |
| Antimony | ND | ND | ND | ND | ND | ND | * | **NA** | **3** |
| Arsenic | ND | 1.4 | ND | ND | ND | ND | * | **<1.0 - 30** | **25** |
| Barium | 110 | 190 | 86 | 110 | 150 | 84 | * | **10 - 500** | **1000** |
| Beryllium | ND | ND | ND | ND | ND | ND | * | **<10** | **3.0 GV** |
| Cadmium | ND | ND | ND | ND | ND | ND | * | **<1.0** | **5** |
| Calcium | 83000 | 62000 | 51000 | 78000 | 76000 | 52000 | * | **1000 - 150000** | **NS** |
| Chromium | ND | ND | ND | ND | ND | ND | * | **<1.0 - 5.0** | **50** |
| Cobalt | ND | 34 | ND | ND | ND | ND | * | **<10** | **NS** |
| Copper | ND | ND | ND | ND | ND | ND | * | **<1.0 - 3** | **200** |
| Iron | ND | **64000** | ND | **21000** | ND | ND | * | **10 - 10000** | **300 (m)** |
| Lead | ND | ND | ND | ND | ND | ND | * | **<15** | **25** |
| Magnesium | 31000 | 24000 | 7900 | 21000 | 20000 | 7900 | * | **1000 - 50000** | **35000 GV** |
| Manganese | 210 | **15000** | **740** | **10000** | 280 | **730** | * | **<1.0 - 1000** | **300 (m)** |
| Mercury | ND | ND | ND | ND | ND | ND | * | **<1.0** | **0.7** |
| Nickel | ND | ND | ND | ND | ND | ND | * | **<10 - 50** | **100** |
| Potassium | 4400 | 5300 | 4200 | 4800 | 6400 | 4300 | * | **1000 - 10000** | **NS** |
| Selenium | ND | ND | ND | ND | ND | ND | * | **<1.0 - 10** | **10** |
| Silver | ND | ND | ND | ND | ND | ND | * | **<5** | **50** |
| Sodium | **30000** | **34000** | **98000** | **46000** | **83000** | **99000** | * | **500 - 120000** | **20000** |
| Thallium | ND | ND | ND | ND | ND | ND | * | **NA** | **0.5 GV** |
| Vanadium | ND | ND | ND | ND | ND | ND | * | **<1.0 - 10** | **NS** |
| Zinc | ND | ND | ND | ND | ND | ND | * | **<10 - 2000** | **2000 GV** |
| Chloride (mg/l) | 14 | 16 | 120 | 25 | 180 | 120 | * | **NA** | **250** |
| Cyanide (mg/l) | ND | ND | ND | ND | ND | ND | * | **NA** | **200** |
| **Volatile Organic Compounds (ug/L)** | | | | | | | | | |
| Acetone | ND | 24 | ND | ND | ND | ND | ND | **NA** | **50** |
| Carbon disulfide | ND | ND | ND | ND | ND | 1 | ND | **NA** | **NA** |
| Total VOCs# | ND | ND | ND | ND | ND | ND | ND | **NA** | **5** |
| **Semivolatile Organic Compounds (ug/L)** | | | | | | | | | |
| Caprolactam | 920 | ND | 56 | ND | 31 | 67 | * | **NA** | **NA** |
| Total SVOCs# | ND | ND | ND | ND | ND | ND | * | **NA** | **50** |

(a) - NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1). June 1998, revised April 20(

GV - Guidance Value

(m) - Sum of Iron and Manganese not to exceed 500 ug/

(n) - Dragun, J., The Soil Chemistry of Hazardous Materials

NA - Not applicable.

ND - Not detected at analytical detection limit.

J- Detected below the detection limit.

NS - No standard.

* - Not analyzed.

# - All other compounds

TABLE 2

## SURFACE WATER DATA SUMMARY

### Fifth Quarter Sampling - Harrison Subresidency Landfill Area

**October 2013**

| PARAMETER | *Site Background* SW-1 10/24/13 | SW-2 10/24/13 | SW-3* 10/24/13 | SW-4 10/24/13 | Duplicate SW-4 SW-15-10242013 10/24/2013 | Field Blank 10/24/2013 | Trip Blank 10/24/2013 | NATURAL AMBIENT GROUNDWATER RANGES (n) | NYSDEC CLASS GA STANDARDS (a) | NYSDEC CLASS A STANDARDS (a) |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals (ug/L)** | | | | | | | | | | |
| Aluminum | ND | ND | * | ND | ND | ND | * | **<5.0 - 1000** | **NS** | **100** [2] |
| Antimony | ND | ND | * | ND | ND | ND | * | **NA** | **3** | **3** [1] |
| Arsenic | ND | ND | * | ND | ND | ND | * | **<1.0 - 30** | **25** | **50** [1], **150** [2], **340** [3] |
| Barium | 36 | ND | * | ND | ND | ND | * | **10 - 500** | **1000** | **1,000** [1] |
| Beryllium | ND | ND | * | ND | ND | ND | * | **<10** | **3.0 GV** | **3 GV** [1] |
| Cadmium | ND | ND | * | ND | ND | ND | * | **<1.0** | **5** | **5** [1] |
| Calcium | 45000 | 43000 | * | 44000 | 43000 | ND | * | **1000 - 150000** | **NS** | **NS** |
| Chromium | ND | ND | * | ND | ND | ND | * | **<1.0 - 5.0** | **50** | **50** [1] |
| Cobalt | ND | ND | * | ND | ND | ND | * | **<10** | **NS** | **5** [2] |
| Copper | ND | ND | * | ND | ND | ND | * | **<1.0 - 3** | **200** | **200** [1] |
| Iron | **1900** | **520** | * | **300** | 250 | ND | * | **10 - 10000** | **300 (m)** | **300** [2, 4] |
| Lead | 1.1 | 1.9 | * | ND | ND | ND | * | **<15** | **25** | **50** [1] |
| Magnesium | 14000 | 14000 | * | 14000 | 14000 | ND | * | **1000 - 50000** | **35000 GV** | **35,000** [1] |
| Manganese | **1700** | **340** | * | 230 | 200 | ND | * | **<1.0 - 1000** | **300 (m)** | **300** [4] |
| Mercury | ND | ND | * | ND | ND | ND | * | **<1.0** | **0.7** | **0.7** [1], **7e-4** [5], **0.77** [2], **1.4** [3], **0.0026** [6] |
| Nickel | ND | ND | * | ND | ND | ND | * | **<10 - 50** | **100** | **100** [1] |
| Potassium | 3300 | 3000 | * | 2900 | 2800 | ND | * | **1000 - 10000** | **NS** | **NS** |
| Selenium | ND | ND | * | ND | ND | ND | * | **<1.0 - 10** | **10** | **10** [1], **4.6** [2] |
| Silver | ND | ND | * | ND | ND | ND | * | **<5** | **50** | **50** [1] |
| Sodium | 9200 | 9700 | * | 10000 | 9500 | ND | * | **500 - 120000** | **20000** | **NS** |
| Thallium | ND | ND | * | ND | ND | ND | * | **NA** | **0.5 GV** | **0.5 GV** [1], **8** [2] |
| Vanadium | ND | ND | * | ND | ND | ND | * | **<1.0 - 10** | **NS** | **14** [2] |
| Zinc | ND | ND | * | ND | ND | ND | * | **<10 - 2000** | **2000 GV** | **2,000 GV** [1], **5,000 GV** [4] |
| Chloride (mg/l) | 6.3 | 6.6 | * | 6.5 | 6.5 | ND | * | **NA** | **250** | **250,000** [1] |
| Cyanide (mg/l) | ND | ND | * | ND | ND | ND | * | **NA** | **200** | **200** [1], **9,000** [5], **5.2** [2], **22** [3] |
| **Volatile Organics (ug/L)** | | | | | | | | | | |
| Total VOCs | ND | ND | * | ND | ND | ND | ND | **NA** | **5** | **NA** |
| **Semi-Volatile Organics (ug/L)** | | | | | | | | | | |
| Total SVOCs | ND | ND | * | ND | ND | ND | * | **NA** | **50** | **NA** |

(a) - NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1). June 1998, revised April 200(
(m) - Sum of Iron and Manganese not to exceed 500 ug/L
(n) - Dragun, J., The Soil Chemistry of Hazardous Materials

Class A Standards for Surface Water as a source of Drinking Water[1] as these are tributaries to Kensico Reservoir.

Other Class A Standards are for Fish Propagation[2] Fish Survival[3] Aesthetic [4] Human Consumption of Fish [5], and Wildlife Protection [6]

GV - Guidance Value.
ND - Not detected at analytical detection limit
* - Not analyzed; Location SW-3 was Dry - no samples collected
NS - No Standard.
NA - Not applicable.

Note - results in **bold** exceed one or more of the standards.
- select Class A standards are specific to sample conditions and require hardness concentrations; therefore, these were not included.

TABLE 3

# SEDIMENT DATA SUMMARY

## Fifth Quarter Sampling - Harrison Subresidency Landfill Area

**October 2013**

| PARAMETER | *Site Background* SD-1 10/24/13 | SD-2 10/24/13 | SD-3 10/24/13 | SD-4 10/24/13 | Sediment Criteria (a) LEL[1] | SEL[2] |
|---|---|---|---|---|---|---|
| **Metals (mg/kg)** | | | | | | |
| Aluminum | 6,900 | 5,900 | 11,000 | 5,300 | **NA** | NA |
| Antimony | ND | ND | ND | ND | **2** | 25 |
| Arsenic | ND | ND | ND | ND | **6** | 33 |
| Barium | 56 | 87 | 66 | 53 | **NA** | NA |
| Beryllium | ND | ND | 0.25 | ND | **NA** | NA |
| Cadmium | ND | ND | **2.5** | ND | **0.6** | 9 |
| Calcium | 1,500 | 31,000 | 19,000 | 15,000 | **NA** | NA |
| Chromium | 14 | 7.8 | 20 | 11 | **26** | 110 |
| Cobalt | 6.1 | 6.2 | 10 | 6.1 | **NA** | NA |
| Copper | 15 | 13 | **35** | 12 | **16** | 110 |
| Iron | 15,000 | **20,000** | **23,000** | 16,000 | **20000** | 40000 |
| Lead | ND | 12 | **270** | 20 | **31** | 110 |
| Magnesium | 3,200 | 20,000 | 14,000 | 9,900 | **NA** | NA |
| Manganese | **580** | **2,500** | **700** | **1,500** | **460** | 1100 |
| Mercury | ND | ND | ND | ND | **0.15** | 1.3 |
| Nickel | 11 | 11 | **22** | 13 | **16** | 50 |
| Potassium | 1,900 | 990 | 1,500 | 910 | **NA** | NA |
| Selenium | ND | ND | ND | ND | **NA** | NA |
| Silver | ND | ND | ND | ND | **1** | 2.2 |
| Sodium | ND | ND | ND | ND | **NA** | NA |
| Thallium | ND | ND | ND | ND | **NA** | NA |
| Vanadium | 21 | 16 | 28 | ND | **NA** | NA |
| Zinc | 32 | 52 | **190** | 50 | **120** | 270 |
| Chloride | ND | ND | 29 | ND | **NA** | NA |
| Cyanide | ND | ND | ND | ND | **NA** | NA |
| **Volatile Organic Compounds (mg/kg)** | | | | | Sediment Criteria (a) | Water Qual. |
| Total VOCs | ND | ND | ND | ND | NA | |

| PARAMETER | SD-1 10/24/13 | SD-2 10/24/13 | SD-3 10/24/13 | SD-4 10/24/13 | Human Health Bioaccum. Sediment Criteria mg/gOC | Benthic Aquatic Life Acute Toxicity Sediment Criteria mg/gOC | Benthic Aquatic Life Chronic Toxicity Sediment Criteria mg/gOC | Wildlife Bioaccum. Sediment Criteria mg/gOC |
|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds (mg/kg)** | | | | | | | | |
| Acenaphthene | ND | ND | 0.085 | ND | NA | NA | 0.240 (E)[3] | NA |
| Anthracene | ND | ND | 0.14 | ND | NA | 0.986 | 0.107 | NA |
| Benzaldehyde | ND | ND | 0.28 | ND | NA | NA | NA | NA |
| Benzo[a]anthracene | ND | ND | 0.75 | ND | NA | 0.094 | 0.012 | NA |
| Benzo[a]pyrene | ND | ND | 0.65 | ND | 0.0007 | NA | NA | NA |
| Benzo[b]fluoranthene | 0.049 | ND | 1.1 | 0.13 | NA | 0.094 | 0.012 | NA |
| Benzo[g,h,i]perylene | ND | ND | 0.49 | ND | NA | NA | NA | NA |
| Benzo[k]fluoranthene | ND | ND | 0.32 | ND | NA | 0.094 | 0.012 | NA |
| bis(2-Ethylhexyl)phthalate | ND | 0.055 | 0.12 | ND | NA | NA | 0.2 | NA |
| Carbazole | ND | ND | 0.11 | ND | NA | NA | NA | NA |
| Chrysene | ND | ND | 0.8 | ND | NA | 0.094 | 0.012 | NA |
| Dibenzo[a,h]anthracene | ND | ND | 0.15 | ND | NA | NA | NA | NA |
| Di-n-butylphthalate | ND | 0.023 | 0.046 | ND | NA | NA | NA | NA |
| Fluoranthene | ND | ND | 0.13 | 0.14 | NA | NA | 1.34 (E)[4] | NA |
| Indeno[1,2,3-cd]pyrene | ND | ND | 0.45 | ND | NA | 0.094 | 0.012 | NA |
| Phenanthrene | ND | ND | 0.66 | ND | NA | NA | 0.160 (E)[4] | NA |
| Pyrene | 0.048 | ND | 1.2 | 0.16 | NA | 8.78 | 0.961 | NA |
| Total SVOCs# | ND | ND | ND | ND | NA | NA | NA | NA |

(a) - NYSDEC Technical Guidance for Screening Contaminated Sediments November 1993, revised January 1999

**1 - Lowest Effect Level**

2 - Severe Effect Level

ND - Not detected at analytical detection limit

B - Detected in laboratory sample

NA - No applicable criterion.

Note - results exceeding the LEL and SEL are shown in **bold** and underlined, respectively.

# - All other compounds

3- EPA proposed sediment quality criterion for the protection of benthic organisms

4- These values also apply to benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and methylbenz(a)anthracene.

**Table 4**

## Groundwater Field Duplicate Relative Percent Difference
## Fifth Quarter Sampling - Harrison Subresidency
**October 2013**

| Parameters | PC-1 | Duplicate DMW-5-10232013 | Relative Percent Difference |
|---|---|---|---|
| **Metals (ug/L)** | | | |
| Aluminum | ND | ND | NA |
| Antimony | ND | ND | NA |
| Arsenic | ND | ND | NA |
| Barium | 86 | 84 | 2.35 |
| Beryllium | ND | ND | NA |
| Cadmium | ND | ND | NA |
| Calcium | 51000 | 52000 | -1.94 |
| Chromium | ND | ND | NA |
| Cobalt | ND | ND | NA |
| Copper | ND | ND | NA |
| Iron | ND | ND | NA |
| Lead | ND | ND | NA |
| Magnesium | 7900 | 7900 | 0.00 |
| Manganese | 740 | 730 | 1.36 |
| Mercury | ND | ND | NA |
| Nickel | ND | ND | NA |
| Potassium | 4200 | 4300 | -2.35 |
| Selenium | ND | ND | NA |
| Silver | ND | ND | NA |
| Sodium | 98000 | 99000 | -1.02 |
| Thallium | ND | ND | NA |
| Vanadium | ND | ND | NA |
| Zinc | ND | ND | NA |
| Chloride (mg/l) | 120 | 120 | 0.00 |
| Cyanide (mg/l) | ND | ND | NA |
| **Volatile Organic Compounds (ug/L)** | | | |
| Acetone | ND | ND | NA |
| Carbon disulfide | ND | 1 | NA |
| Total VOCs# | ND | ND | NA |
| **Semivolatile Organic Compounds (ug/L)** | | | |
| Caprolactam | 56 | 67 | -17.89 |
| Total SVOCs# | ND | ND | NA |

**Notes:**

1) ND indicates analyte not detected at analytical reporting limit.

2) NA indicates Not Applicable, where one or both results were not detected.

3) Values in bold exceed the normally accepted range of 15%

# - All other compounds

**Table 5**

## Surface Water Field Duplicate Relative Percent Difference
## Fifth Quarter Sampling - Harrison Subresidency
**October 2013**

| Parameters | SW-4 | Duplicate SW-15-10242013 | Relative Percent Difference |
|---|---|---|---|
| **Metals (ug/L)** | | | |
| Aluminum | ND | ND | NA |
| Antimony | ND | ND | NA |
| Arsenic | ND | ND | NA |
| Barium | ND | ND | NA |
| Beryllium | ND | ND | NA |
| Cadmium | ND | ND | NA |
| Calcium | 44000 | 43000 | 2.30 |
| Chromium | ND | ND | NA |
| Cobalt | ND | ND | NA |
| Copper | ND | ND | NA |
| Iron | 300 | 250 | 18.18 |
| Lead | ND | ND | NA |
| Magnesium | 14000 | 14000 | 0.00 |
| Manganese | 230 | 200 | 13.95 |
| Mercury | ND | ND | NA |
| Nickel | ND | ND | NA |
| Potassium | 2900 | 2800 | 3.51 |
| Selenium | ND | ND | NA |
| Silver | ND | ND | NA |
| Sodium | 10000 | 9500 | 5.13 |
| Thallium | ND | ND | NA |
| Vanadium | ND | ND | NA |
| Zinc | ND | ND | NA |
| Chloride (mg/l) | 6.5 | 6.5 | 0.00 |
| Cyanide (mg/l) | ND | ND | NA |
| **Volatile Organics (ug/L)** | | | |
| Total VOCs | ND | ND | NA |
| **Semi-Volatile Organics (ug/L)** | | | |
| Total SVOCs | ND | ND | NA |

**Notes:**

1) ND indicates analyte not detected at analytical reporting limit.

2) NA indicates Not Applicable, where one or both results were not detected.

3) Values in bold exceed the normally accepted range of 15%

# - All other compounds

ATTACHMENT A

SAMPLING LOGS

# Well Sampling Log

**Well ID No.:** PC-1

| | | | | | |
|---|---|---|---|---|---|
| **Well Casing Type:** | 2" PVC | **Start SWL:** | 7.82 | **Project:** | Harrison Landfill and Spill |
| **Well Depth*:** | 16.33 | | 8.51 | **Date:** | 10/23/2013 |
| **Screened Interval:** | n/a | **Well Volume (gallons):** | 7.9 | **Crew:** | AW/KH |
| **Well Elevation*:** | n/a | **SWL During Sampling:** | n/a | **Purge Method:** | Whale Pump |
| **Ground Elevation:** | n/a | **Sample Time:** | 12:50 | **PID Head Space (ppm):** | n/a |
| **Well Condition:** | Lock eyelit damaged | **Sample Method:** | Bailer | **Meters Used:** | Horiba U-52 |
| **Weather Conditions:** | 50's overcast | **Sample Analyses:** | VOC + MTBE, SVOC, Metals (fi p--0 | | |

| Time | Est. Gallons Purged | Purge Rate (gpm) | Temp. (Co) | pH | ORP (mV) | Cond. (mS/m) | Turbidity (NTU) | D.O. (mg/L) | TDS (g/L) | Salinity (%) | Depth to Water* | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11:42 | 0 | | 14.38 | 6.53 | -45 | 0.879 | 49 | 5.51 | 0.547 | 0.4 | | |
| 11:44 | 3 | | 14.95 | 6.57 | -9 | 853.000 | 40 | 4.92 | 0.611 | 0.4 | | |
| 11:47 | 6 | | 14.79 | 6.77 | -23 | 0.904 | 21 | 4.86 | 0.580 | 0.4 | | |
| 11:52 | 8 | | 14.96 | 6.84 | -12 | 0.850 | 2.0 | 3.11 | 0.590 | 0.5 | | |
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Comments:

Notes: NM - No measurement

* - Measurement taken from top of well casing

# Well Sampling Log

**Well ID No.:** PC-2

**Well Casing Type:** 2" PVC
**Well Depth*:** 10.99
**Screened Interval:** n/a
**Well Elevation*:** n/a
**Ground Elevation:** n/a
**Well Condition:** Obstructed ~5' btoc
**Weather Conditions:** overcast 50's

**Start SWL:** 4.57
**Water Column Ht.:** 6.42
**Well Volume (gallons):** 6
**SWL During Sampling:** n/a
**Sample Time:** 13:35
**Sample Method:** Peristaltic Pump
**Sample Analyses:** VOC, SVOC, Metals (filtered), CN, and Cl

**Project:** Harrison Landfill and Spill
**Date:** 10/23/2013
**Crew:** AW/KH
**Purge Method:** Peristaltic Pump
**PID Head Space (ppm):** n/a
**Meters Used:** Horiba U-52

| Time | Est. Gallons Purged | Purge Rate (gpm) | Temp. (Co) | pH | ORP (mV) | Cond. (mS/m) | Turbidity (NTU) | D.O. (mg/L) | TDS (g/L) | Salinity (%) | Depth to Water* | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10:53 | 0 | | 13.69 | 6.70 | -98.0 | 1.000 | max | 6.90 | 0.641 | 0.5 | | |
| 10:57 | 2 | | 14.00 | 6.49 | -84.0 | 0.991 | max | 1.51 | 0.634 | 0.5 | | |
| 11:02 | 4 | | 13.97 | 6.45 | -90.0 | 0.985 | 493.0 | 0.87 | 0.630 | 0.5 | | |
| 11:05 | 6 | | 13.99 | 6.43 | -93.0 | 0.977 | 166.0 | 0.72 | 0.625 | 0.5 | | |
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Comments:

Notes: NM - No measurement
* - Measurement taken from top of well casing

# Well Sampling Log

**Well ID No.:** PC-3

**Well Casing Type:** 2" PVC
**Well Depth*:** 18.33
**Screened Interval:** n/a
**Well Elevation*:** n/a
**Ground Elevation:** n/a
**Well Condition:** good
**Weather Conditions:** overcast, 50's

**Start SWL:** 10.85
**Water Column Ht.:** 7.48
**Well Volume (gallons):** 7
**SWL During Sampling:** n/a
**Sample Time:** 0:00
**Sample Method:** bailer
**Sample Analyses:** VOC, SVOC, Metals (filtered), CN, and Cl

**Project:** Harrison Landfill and Spill
**Date:** 10/23/2013
**Crew:** AW/KH
**Purge Method:** Whale Pump
**PID Head Space (ppm):** n/a
**Meters Used:** Horiba U-52, Turbidity Meter

| Time | Est. Gallons Purged | Purge Rate (gpm) | Temp. (Co) | pH | ORP (mV) | Cond. (mS/m) | Turbidity (NTU) | D.O. (mg/L) | TDS (g/L) | Salinity (%) | Depth to Water* | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15:31 | 0 | | 14.33 | 7.11 | -33 | 1.20 | 205.0 | 6.89 | 0.771 | 0.6 | | |
| 15:33 | 2.5 | | 14.34 | 7.22 | -23 | 1.19 | 395.0 | 0.80 | 0.760 | 0.6 | | |
| 15:35 | 5 | | 14.17 | 1.08 | -41 | 1.20 | 1.0 | 0.86 | 0.769 | 0.6 | | |
| 15:37 | 7 | | 14.20 | 7.00 | -39 | 1.17 | 0.0 | 1.40 | 0.752 | 0.6 | | |
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Comments:

Notes: NM - No measurement
* - Measurement taken from top of well casing

# Well Sampling Log

**Well ID No.:** LMW-2

**Well Casing Type:** 2" PVC
**Well Depth*:** 21.03
**Screened Interval:** n/a
**Well Elevation*:** n/a
**Ground Elevation:** n/a
**Well Condition:** good
**Weather Conditions:** overcast, 50's

**Start SWL:** 12.25
**Water Column Ht.:** 8.78
**Well Volume (gallons):** 8.2
**SWL During Sampling:** n/a
**Sample Time:** 0:00
**Sample Method:** Bailer
**Sample Analyses:** VOC, SVOC, Metals (filtered), CN, and Cl

**Project:** Harrison Landfill and Spill
**Date:** 10/23/2013
**Crew:** AW/KH
**Purge Method:** bailer
**PID Head Space (ppm):** n/a
**Meters Used:** Horiba U-52, Turbidity Meter

| Time | Est. Gallons Purged | Purge Rate (gpm) | Temp. (Co) | pH | ORP (mV) | Cond. (mS/m) | Turbidity (NTU) | D.O. (mg/L) | TDS (g/L) | Salinity (%) | Depth to Water* | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10:02 | 0 | | 12.95 | 6.24 | 166 | 0.778 | 2.2 | - | 0.496 | 0.4 | | Chems taken using open chem cup |
| 10:15 | 3 | | 12.74 | 6.65 | -27 | 0.755 | 105.0 | - | 0.483 | 0.4 | | DO inaccurate |
| 10:32 | 3.75 | | 12.32 | 6.77 | -55 | 0.768 | max | - | 0.491 | 0.4 | | |
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Comments:

Notes: NM - No measurement
* - Measurement taken from top of well casing

# Well Sampling Log

**Well ID No.:** LMW-4

**Well Casing Type:** 2" PVC
**Well Depth*:** 14.54
**Screened Interval:** n/a
**Well Elevation*:** n/a
**Ground Elevation:** n/a
**Well Condition:** good
**Weather Conditions:** overcast, 50's

**Start SWL:** 5.04
**Water Column Ht.:** 9.5
**Well Volume (gallons):** 8.8
**SWL During Sampling:** n/a
**Sample Time:** 0:00
**Sample Method:** bailer
**Sample Analyses:** VOC, SVOC, Metals (filtered), CN, and Cl

**Project:** Harrison Landfill and Spill
**Date:** 10/23/2013
**Crew:** AW/KH
**Purge Method:** bailer
**PID Head Space (ppm):** n/a
**Meters Used:** Horiba U-52, Turbidity Meter

| Time | Est. Gallons Purged | Purge Rate (gpm) | Temp. (Co) | pH | ORP (mV) | Cond. (mS/m) | Turbidity (NTU) | D.O. (mg/L) | TDS (g/L) | Salinity (%) | Depth to Water* | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10:14 | 0 | | 13.40 | 6.40 | -87 | 1.04 | 1.04 | - | 0.666 | 0.5 | | Chems taken using open chem cup |
| 10:26 | 3 | | 13.04 | 6.56 | -79 | 1.06 | 1.06 | - | 0.679 | 0.5 | | DO inaccurate |
| 10:34 | 4 | | - | - | - | - | - | - | - | - | | Dry at 4 gal. |
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Comments:

Notes: NM - No measurement
* - Measurement taken from top of well casing

# Surface Water Sampling Log

Weather Conditions: Overcast, 50

**Sample Analyses:** VOC, SVOC, TAL Metals, Cl, CN
**Meters Used:** Horiba U-52

**Project:** Harrison Landfill and Spill
**Date:** 10/24/2013
**Crew:** AW/KH

| Station Number | Time | Sample Depth | Total Sample | Temp. ($C^o$) | pH | Cond. (mS/m) | Turbidity (NTU) | D.O. (mg/L) | Flow (CFS) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| **SW-1** | 13:00 | 0.50 | | 10.22 | 7.34 | 0.382 | 1.60 | 6.93 | 0.25 | Almost Stagnant |
| **SW-2** | 12:00 | 0.40 | | 9.83 | 7.25 | 0.383 | 6.32 | 6.32 | 8.00 | |
| **SW-3** | 12:24 | NS | | -- | -- | -- | -- | -- | -- | Dry-No Sample |
| **SW-4** | 11:00 | 0.35 | | 10.32 | 6.39 | n/a | 0.00 | 9.44 | 6.00 | Conductivity was recorded inaccurately in fied notes |

Comments:

Notes: NM - No measurement
* - Measurement taken from top of well casing

pH No: Horiba U-52
Turb. Meter: Horiba U-52

# Soil/Sediments Sampling Log

Weather Conditions: Overcast, 50

**Sample Analyses:** VO, SVOC, TAL Metals, CN, Cl
**Meters Used:** Horiba U-52

**Project:** Harrizon Landfill and Spill
**Date:** 10/24/2013
**Crew:** AW/KH

| Station Number | Time | Sample Depth | Method | Texture | Color | Odor/ Staining | Comments |
|---|---|---|---|---|---|---|---|
| SD-1 | 13:10 | 0-2" | stainless steel spoon | Sandy Silt | Grey-Black | None | |
| SD-2 | 12:10 | 0-2" | stainless steel spoon | Silty Sand | Grey | None | Very rocky area, near rip-rap outwash |
| SD-3 | 12:30 | 0-2" | stainless steel spoon | Sandy Silt | Brown | None | Dry in frag bed, some organics |
| SD-4 | 11:10 | 0-2" | stainless steel spoon | Silty Sand | Grey | None | |

Comments:

# Air Monitoring Data Log

Weather Conditions: Overcast, 50, West/South West Winds

**Project:** Harrizon Landfill and Spill
**Date:** 10/24/2013
**Crew:** AW/KH

| Sample Point | Time | % LEL (CGI) | PID | FID (PPM) | | Background | | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | with $CH_4$ filter | w/out $CH_4$ filter | PID | FID | |
| GV-3 | 0904 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $CO_2$: 0.1% $O_2$: 21.0% $H_2S$: 0ppm CO: 0ppm |
| GV-1 | 0852 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $CO_2$: 0.1% $O_2$: 20.9% $H_2S$: 0ppm CO: 0ppm |
| GV-2 | 0858 | 0.3 | 0.0 | 526.2 | 706.2 | 0.0 | 0.0 | $CO_2$: 0.3% $O_2$: 20.7% $H_2S$: 0ppm CO: 0ppm |
| GV-4 | 0910 | 0.0 | 0.0 | 48.2 | 40.3 | 0.0 | 0.0 | $CO_2$: 0.1% $O_2$: 21.0% $H_2S$: 0ppm CO: 0ppm |
| SPL | 0917 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | $CO_2$: 0.1% $O_2$: 20.9% $H_2S$: 0ppm CO: 2ppm |
| EPL | 0919 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $CO_2$: 0.1% $O_2$: 20.9% $H_2S$: 0ppm CO: 4ppm |
| NPL | 0921 | 0.0 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | $CO_2$: 0.1% $O_2$: 20.9% $H_2S$: 0ppm CO: 0ppm |
| WPL | 0923 | 0.0 | 0.0 | 0.2 | 0.3 | 0.0 | 0.0 | $CO_2$: 0.1% $O_2$: 20.8% $H_2S$: 0ppm CO: 0ppm |

Comments

CGI: Gem 2000+
PID: mini Rae 2000
FID: micro FID I/S

# ATTACHMENT B

# LABORATORY ANALYTICAL DATA PACKAGES

HC·V
HAMPTONCLARKE·VERITECH

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

# Project: NYSDOT-Harrison

**Client PO:** Not Available

**Report To:** HDR
One Blue Hill Plaza
P.O. Box 1509
Pearl River, NY 10965

Attn: Melissa LaMaccha

**Received Date:** 10/24/2013

**Report Date:** 11/21/2013

**Deliverables:** NYDOH-CatA

**Lab ID:** AC75324

**Lab Project No:** 3102406



**Robin Cousineau - Quality Assurance Director** OR **Stanley Gilewicz - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

NELAP ACCREDITED TNI LABORATORY

HC·V
HAMPTONCLARKE·VERITECH

**THIS CATEGORY "A" REPORT**
**IS NUMBERED FROM**
**1 to 122**

# HCV Case Narrative

**Client:** HDR **HCV Project:** 3102406
**Project:** NYSDOT-Harrison

**Hampton-Clarke/Veritech (HC·V) received the following samples on October 24, 2013:**

| Client ID | HCV Sample ID | Matrix | Analysis |
|---|---|---|---|
| TB-10232013 | AC75324-001 | Aqueous | VO (624) |
| DMW-5-10232013 U | AC75324-002 | Aqueous | VO (624), BNA (625), Chloride (300.0) |
| DMW-5-10232013 F | AC75324-003 | Aqueous | Metals (200.7/200.8/245.1), Cyanide (335.4) |
| PC-1-10232013 U | AC75324-004 | Aqueous | VO (624), BNA (625), Chloride, Nitrate, Sulfate (300.0), Alkalinity (SM2320B) |
| PC-1-10232013 F | AC75324-005 | Aqueous | Metals (200.7/200.8/245.1), Cyanide (335.4) |
| LMW-4-10232013 U | AC75324-006 | Aqueous | VO (624), BNA (625), Chloride (300.0) |
| LMW-4-10232013 F | AC75324-007 | Aqueous | Metals (200.7/200.8/245.1), Cyanide (335.4) |
| PC-2-10232013 U | AC75324-008 | Aqueous | VO (624), BNA (625), Chloride (300.0) |
| PC-2-10232013 F | AC75324-009 | Aqueous | Metals (200.7/200.8/245.1), Cyanide (335.4) |
| LMW-2-10232013 U | AC75324-010 | Aqueous | VO (624), BNA (625), Chloride (300.0) |
| LMW-2-10232013 F | AC75324-011 | Aqueous | Metals (200.7/200.8/245.1), Cyanide (335.4) |
| MW-11-10232013 U | AC75324-012 | Aqueous | BTEX (624), Nitrate, Sulfate (300.0), Alkalinity (SM2320B) |
| MW-11-10232013 F | AC75324-013 | Aqueous | Metals (200.7) |
| PC-3-10232013 U | AC75324-014 | Aqueous | VO (624), BNA (625), Chloride (300.0) |
| PC-3-10232013 F | AC75324-015 | Aqueous | Metals (200.7/200.8/245.1), Cyanide (335.4) |

## Volatile Organic Analysis:

The Matrix Spike and Matrix Spike Duplicate for batches 5034 and 31163 recovered outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

## Base Neutral/Acid Extractable Analysis:

Sample AC75324-010 was analyzed at a 5X dilution due to high concentration of non-target analytes.

Samples AC75324-004, 006, 008, 010, 014, WMB29082 and MS had surrogate recoveries outside QC limits, but the recoveries are greater than 10%, therefore, no corrective action was necessary.

## Metals Analysis:

The serial dilution for batch 27348 is outside QC limits for one or more analytes, suggesting matrix interference.

Samples AC75324-003, 005, 007, 009, 011, 013 and 015 were filtered and preserved in the laboratory per clients request.

## Wet Chemistry Analysis:

The Matrix Spike and Matrix Spike Duplicate for batches 5066 and 5067-Chloride recovered outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

The Matrix Spike for batch 5066-Slfate recovered outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

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

| | | | |
|---|---|---|---|
| Robin Cousineau<br>Quality Assurance Director | Or | Stanley Gilewicz<br>Laboratory Director | 11/22/2013<br>Date |

Hampton-Clarke Vertech Laboratories
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056
NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124

HC·V HAMPTON CLARKE VERITECH LABORATORIES
A Women-Owned, Disadvantaged, Small Business Enterprise

# CHAIN OF CUSTODY RECORD

3102406 0003

3102406

Page 1 of 1

**3) Reporting Requirements (Please Circle)**

| Turnaround | Report Type | Electronic Deliv. |
|---|---|---|
| 24 Hours (100%) | Data Summary | Hazsite/CSV |
| 48 Hours (75%) | Waste | EQuIS 4-File / EZ / NYS |
| 72 Hours (50%) | Red - NJ / NY / PA | EQuIS EPA Region 2 or 5 |
| 4 Days (35%; TPH) | CLP | Excel - NJ Regulatory |
| 1 Week (25%; EPH) | Full / Category B | Excel - NY Regulatory |
| ~~10 Days (10%)~~ ML | Category A | Excel - PA Regulatory |
| 2 Weeks | Other: | PDF |
| Other: | | Other: |

Expedited TAT Not Always Available. Please Check with Lab.

**Customer Information**

1a) Customer: HDR Engineering, Inc.
Address: 1 Blue Hill Plz, 12th Floor
Pearl River, NY 10965
1b) Email/Cell/Fax/Ph: 845 735-8300
1c) Send Invoice to: Melissa LaMacchia
1d) Send Report to: "

**Project Information**

2a) Project: NYSDOT - Harrison
2b) Project Mgr: Mel. LaMacchia
2c) Project Location (City/State): Harrison, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓

Batch # ACT5324

**Matrix Codes**
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

Check If Contingent ===>

**7) Analysis Request**

<=== Check If Contingent

| Lab Sample # | 4) Customer Sample ID | 5) Matrix | 6) Sample Date | 6) Sample Time | Sample Type: Composite (C) | Sample Type: Grab (G) | TCL VOC 10 | TCL SVOC 20 | TAL Metals (Lab Filter) | CN (Lab Filter) | Chloride | MTBE | Metals (Diss. Fe+Mn) | Alkalinity (Total & Bicarb) | Sulfate + Nitrate | VOC (BTEX only) | 8) # of Bottles: None | MeOH | En Core | NaOH | HCl | H2SO4 | HNO3 | Other: | 9) Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -001 | TB-10232013 | BL | 10/23/13 | 1200 | X | X | X | | | | | | | | | | | | | | 3 | | | | |
| 002/003 | DMW-5-10232013 | GW | 10/23/13 | 1230 | | X | X | X | X | X | X | X | | | | | 5 | | | | 3 | | | | |
| 004/005 | PC-1-10232013 | GW | 10/23/13 | 1250 | | X | X | X | X | X | X | X | X | X | X | | 9 | | | | 3 | | | | |
| 006/007 | MW-4-10232013 | GW | 10/23/13 | 1310 | | X | X | X | X | X | X | | | | | | 5 | | | | 3 | | | | |
| 008/009 | PC-2-10232013 | GW | 10/23/13 | 1335 | | X | X | X | X | X | X | | | | | | 5 | | | | 3 | | | | |
| 010/011 | MW-2-10232013 | GW | 10/23/13 | 1340 | | X | X | X | X | X | X | | | | | | 5 | | | | 3 | | | | |
| 012/013 | MW-11-10232013 | GW | 10/23/13 | 1455 | | X | X | | | | | | X | X | X | X | 4 | | | | 3 | | | | |
| 014/015 | PC-3-10232013 | GW | 10/23/13 | 1515 | | X | X | X | X | X | X | | | | | | 5 | | | | 3 | | | | |
| | | AJW | 10/23/13 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

| 10) Relinquished by: | Accepted by: | Date | Time |
|---|---|---|---|
| AJ Wadden | HDR Lab (Paul A. Moccio) | 10/23/13 | 1700 |
| Paul A. Moccio | | 10/24/13 | 0950 |
| | | 10/24/13 | 1040 |

Additional Notes

**Comments, Notes, Special Requirements, HAZARDS**

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

* Lab filter Metals + CN.

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 3.0 2.0

11) Sampler (print name): Andrew Wadden Date: 10/23/13

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

# PROJECT MODIFICATIONS

**Client:** HDR/LMS
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102406

---

maureen192.168.1.87
11/22/2013 11:49:25 AM

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Deliverables are NYDOH-Cat A per quote. MS 11/22/13

# CONDITION UPON RECEIPT

Batch Number AC75324 Entered By: Ricardo
Date Entered 10/24/2013 11:36:00 AM

| | | |
|---|---|---|
| 1 | Yes | Is there a corresponding COC included with the samples? |
| 2 | Yes | Are the samples in a container such as a cooler or Ice chest? |
| 3 | Yes | Are the COC seals intact? |
| 4 | Yes | Please specify the Temperature inside the container (in degC)<br>3.0.2.0 |
| 5 | Yes | Are the samples refrigerated (where required)/have they arrived on ice? |
| 6 | Yes | Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples: |
| 7 | Yes | Are all of the sample bottles intact? If no, specify sample numbers broken/leaking |
| 8 | Yes | Are all of the sample labels or numbers legible? If no specify: |
| 9 | Yes | Do the contents match the COC? If no, specify |
| 10 | Yes | Is there enough sample sent for the analyses listed on the COC? If no, specify: |
| 11 | Yes | Are samples preserved correctly? |
| 12 | Yes | Was temperature blank present (Place comment below if not)? If not was temperature of samples verified? |
| 13 | NA | Other comments ...Specify |
| 14 | NA | Corrective actions (Specify item number and corrective action taken). |

# PRESERVATION DOCUMENT

Batch Number AC75324

Entered By: Ricardo

Date Entered 10/24/2013 11:36:00 AM

| Lab#: | Container Siz | Container Typ | Parameter | Preservative | PH |
|---|---|---|---|---|---|
| AC75324-001 | 40ml | G | VO | HCL | 1 |
| AC75324-002 | 40ml | G | VO | HCL | 1 |
| AC75324-003 | NA | NA | NA | NA | NA |
| AC75324-004 | 40ml | G | VO | HCL | 1 |
| AC75324-005 | NA | NA | NA | NA | NA |
| AC75324-006 | 40ml | G | VO | HCL | 1 |
| AC75324-007 | NA | NA | NA | NA | NA |
| AC75324-008 | 40ml | G | VO | HCL | 1 |
| AC75324-009 | NA | NA | NA | NA | NA |
| AC75324-010 | 40ml | G | VO | HCL | 1 |
| AC75324-011 | NA | NA | NA | NA | NA |
| AC75324-012 | 40ml | G | VO | HCL | 1 |
| AC75324-013 | NA | NA | NA | NA | NA |
| AC75324-014 | 40ml | G | VO | HCL | 1 |
| AC75324-015 | NA | NA | NA | NA | NA |

# Internal Chain of Custody

| Lab#: | DateTime: | Loc or User | Bot Nu | A/M | Analysis |
|---|---|---|---|---|---|
| AC75324-001 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-001 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-001 | 10/24/13 18:11 | R31 | 1 | A | NONE |
| AC75324-001 | 10/25/13 13:59 | WP | 1 | A | voa |
| AC75324-001 | 10/24/13 18:11 | R31 | 2 | A | NONE |
| AC75324-001 | 10/24/13 18:11 | R31 | 3 | A | NONE |
| AC75324-002 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-002 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-002 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-002 | 10/30/13 09:31 | DYR/JI | 1 | A | BNA |
| AC75324-002 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-002 | 10/30/13 09:31 | DYR/JI | 2 | A | BNA |
| AC75324-002 | 10/30/13 09:50 | R12 | 2 | A | NONE |
| AC75324-002 | 10/24/13 12:12 | R12 | 3 | A | NONE |
| AC75324-002 | 10/24/13 13:07 | JW | 3 | A | IC |
| AC75324-002 | 10/24/13 17:38 | R12 | 3 | A | NONE |
| AC75324-002 | 10/30/13 15:27 | JW | 3 | A | IC |
| AC75324-002 | 10/30/13 16:25 | R12 | 3 | A | NONE |
| AC75324-002 | 10/24/13 18:11 | R31 | 4 | A | NONE |
| AC75324-002 | 10/24/13 18:11 | R31 | 5 | A | NONE |
| AC75324-002 | 10/25/13 18:06 | WP | 5 | A | voa |
| AC75324-002 | 10/28/13 10:06 | R31 | 5 | A | NONE |
| AC75324-002 | 10/28/13 13:51 | SG | 5 | A | VOA |
| AC75324-002 | 10/24/13 18:11 | R31 | 6 | A | NONE |
| AC75324-003 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-003 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-003 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-003 | 10/28/13 10:33 | ANTH | 1 | A | CN-W |
| AC75324-003 | 10/28/13 16:14 | R12 | 1 | A | NONE |
| AC75324-003 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-003 | 10/25/13 11:17 | JU | 2 | A | FILTER |
| AC75324-003 | 10/25/13 16:14 | R12 | 2 | A | NONE |
| AC75324-003 | 11/05/13 11:26 | JU | 2 | A | tdwi-hg |
| AC75324-003 | 11/05/13 12:41 | R12 | 2 | A | NONE |
| AC75324-004 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-004 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-004 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-004 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-004 | 10/30/13 09:31 | DYR/JI | 2 | A | BNA |
| AC75324-004 | 10/24/13 12:12 | R12 | 3 | A | NONE |
| AC75324-004 | 10/24/13 13:07 | JW | 3 | A | IC |
| AC75324-004 | 10/24/13 17:38 | R12 | 3 | A | NONE |
| AC75324-004 | 10/30/13 15:27 | JW | 3 | A | IC |
| AC75324-004 | 10/30/13 16:25 | R12 | 3 | A | NONE |
| AC75324-004 | 10/24/13 12:12 | R12 | 4 | A | NONE |
| AC75324-004 | 10/29/13 15:20 | JW | 6 | A | ALKALINITY |
| AC75324-004 | 10/29/13 17:15 | R12 | 6 | A | NONE |
| AC75324-004 | 10/24/13 18:11 | R31 | 7 | A | NONE |
| AC75324-004 | 10/24/13 18:11 | R31 | 8 | A | NONE |
| AC75324-004 | 10/25/13 18:06 | WP | 8 | A | voa |
| AC75324-004 | 10/28/13 10:06 | R31 | 8 | A | NONE |
| AC75324-004 | 10/28/13 13:51 | SG | 8 | A | VOA |
| AC75324-004 | 10/24/13 18:11 | R31 | 9 | A | NONE |
| AC75324-005 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-005 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-005 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-005 | 10/28/13 10:33 | ANTH | 1 | A | CN-W |
| AC75324-005 | 10/28/13 16:14 | R12 | 1 | A | NONE |
| AC75324-005 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-005 | 10/24/13 12:12 | R12 | 3 | A | NONE |
| AC75324-005 | 10/25/13 11:17 | JU | 3 | A | FILTER |
| AC75324-005 | 10/25/13 16:14 | R12 | 3 | A | NONE |
| AC75324-005 | 11/05/13 11:26 | JU | 3 | A | tdwi-hg |
| AC75324-005 | 11/05/13 12:41 | R12 | 3 | A | NONE |
| AC75324-006 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-006 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-006 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-006 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-006 | 10/30/13 09:31 | DYR/JI | 2 | A | BNA |
| AC75324-006 | 10/24/13 12:12 | R12 | 3 | A | NONE |
| AC75324-006 | 10/24/13 13:07 | JW | 3 | A | IC |
| AC75324-006 | 10/24/13 17:38 | R12 | 3 | A | NONE |
| AC75324-006 | 10/24/13 18:11 | R31 | 4 | A | NONE |
| AC75324-006 | 10/24/13 18:11 | R31 | 5 | A | NONE |
| AC75324-006 | 10/25/13 18:06 | WP | 5 | A | voa |
| AC75324-006 | 10/28/13 10:06 | R31 | 5 | A | NONE |
| AC75324-006 | 10/28/13 13:51 | SG | 5 | A | VOA |
| AC75324-006 | 10/24/13 18:11 | R31 | 6 | A | NONE |
| AC75324-007 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-007 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-007 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-007 | 10/29/13 09:12 | ANTH | 1 | A | cn-w |
| AC75324-007 | 10/29/13 12:57 | R12 | 1 | A | NONE |
| AC75324-007 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-007 | 10/25/13 11:17 | JU | 2 | A | FILTER |
| AC75324-007 | 10/25/13 16:14 | R12 | 2 | A | NONE |
| AC75324-007 | 11/05/13 11:26 | JU | 2 | A | tdwi-hg |
| AC75324-007 | 11/05/13 12:41 | R12 | 2 | A | NONE |
| AC75324-008 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-008 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-008 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-008 | 10/30/13 09:31 | DYR/JI | 1 | A | BNA |
| AC75324-008 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-008 | 10/24/13 12:12 | R12 | 3 | A | NONE |
| AC75324-008 | 10/24/13 13:07 | JW | 3 | A | IC |
| AC75324-008 | 10/24/13 17:38 | R12 | 3 | A | NONE |
| AC75324-008 | 10/24/13 18:11 | R31 | 4 | A | NONE |
| AC75324-008 | 10/24/13 18:11 | R31 | 5 | A | NONE |
| AC75324-008 | 10/25/13 18:06 | WP | 5 | A | voa |
| AC75324-008 | 10/28/13 10:06 | R31 | 5 | A | NONE |
| AC75324-008 | 10/28/13 13:51 | SG | 5 | A | VOA |
| AC75324-008 | 10/24/13 18:11 | R31 | 6 | A | NONE |
| AC75324-009 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-009 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-009 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-009 | 11/05/13 11:26 | JU | 1 | A | tdwi-hg |
| AC75324-009 | 11/05/13 12:41 | R12 | 1 | A | NONE |
| AC75324-009 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-009 | 10/29/13 09:12 | ANTH | 2 | A | cn-w |
| AC75324-009 | 10/29/13 12:57 | R12 | 2 | A | NONE |
| AC75324-010 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-010 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-010 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-010 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-010 | 10/30/13 09:31 | DYR/JI | 2 | A | BNA |
| AC75324-010 | 10/24/13 12:12 | R12 | 3 | A | NONE |
| AC75324-010 | 10/24/13 13:07 | JW | 3 | A | IC |
| AC75324-010 | 10/24/13 17:38 | R12 | 3 | A | NONE |
| AC75324-010 | 10/24/13 18:11 | R31 | 4 | A | NONE |
| AC75324-010 | 10/24/13 18:11 | R31 | 5 | A | NONE |
| AC75324-010 | 10/25/13 18:06 | WP | 5 | A | voa |
| AC75324-010 | 10/28/13 10:06 | R31 | 5 | A | NONE |
| AC75324-010 | 10/28/13 13:51 | SG | 5 | A | VOA |
| AC75324-010 | 10/24/13 18:11 | R31 | 6 | A | NONE |
| AC75324-011 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-011 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-011 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-011 | 10/25/13 11:17 | JU | 1 | A | FILTER |
| AC75324-011 | 10/25/13 16:14 | R12 | 1 | A | NONE |
| AC75324-011 | 11/05/13 11:26 | JU | 1 | A | tdwi-hg |
| AC75324-011 | 11/05/13 12:41 | R12 | 1 | A | NONE |
| AC75324-011 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-011 | 10/29/13 09:12 | ANTH | 2 | A | cn-w |
| AC75324-011 | 10/29/13 12:57 | R12 | 2 | A | NONE |
| AC75324-012 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-012 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-012 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-012 | 10/24/13 13:07 | JW | 1 | A | IC |
| AC75324-012 | 10/24/13 17:38 | R12 | 1 | A | NONE |
| AC75324-012 | 10/30/13 15:27 | JW | 1 | A | IC |
| AC75324-012 | 10/30/13 16:25 | R12 | 1 | A | NONE |
| AC75324-012 | 10/29/13 15:20 | JW | 2 | A | ALKALINITY |
| AC75324-012 | 10/29/13 17:15 | R12 | 2 | A | NONE |
| AC75324-012 | 10/24/13 18:11 | R31 | 4 | A | NONE |
| AC75324-012 | 10/24/13 18:11 | R31 | 5 | A | NONE |
| AC75324-012 | 10/25/13 18:06 | WP | 5 | A | voa |
| AC75324-012 | 10/28/13 10:06 | R31 | 5 | A | NONE |
| AC75324-012 | 10/28/13 13:51 | SG | 5 | A | VOA |
| AC75324-012 | 10/24/13 18:11 | R31 | 6 | A | NONE |
| AC75324-013 | 10/24/13 10:40 | RICAR | 0 | M | Received |

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

# Internal Chain of Custody

| Lab#: | DateTime: | Loc or User | Bot Nu | A/M | Analysis |
|---|---|---|---|---|---|
| AC75324-013 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-013 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-013 | 10/25/13 11:17 | JU | 1 | A | FILTER |
| AC75324-013 | 10/25/13 16:14 | R12 | 1 | A | NONE |
| AC75324-013 | 11/05/13 11:26 | JU | 1 | A | tdwi-hg |
| AC75324-013 | 11/05/13 12:41 | R12 | 1 | A | NONE |
| AC75324-014 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-014 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-014 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-014 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-014 | 10/30/13 09:31 | DYR/JI | 2 | A | BNA |
| AC75324-014 | 10/24/13 12:12 | R12 | 3 | A | NONE |
| AC75324-014 | 10/24/13 13:07 | JW | 3 | A | IC |
| AC75324-014 | 10/24/13 17:38 | R12 | 3 | A | NONE |
| AC75324-014 | 10/30/13 15:27 | JW | 3 | A | IC |
| AC75324-014 | 10/30/13 16:25 | R12 | 3 | A | NONE |
| AC75324-014 | 10/24/13 18:11 | R31 | 4 | A | NONE |
| AC75324-014 | 10/24/13 18:11 | R31 | 5 | A | NONE |
| AC75324-014 | 10/25/13 18:06 | WP | 5 | A | voa |
| AC75324-014 | 10/28/13 10:06 | R31 | 5 | A | NONE |
| AC75324-014 | 10/28/13 13:51 | SG | 5 | A | VOA |
| AC75324-014 | 10/24/13 18:11 | R31 | 6 | A | NONE |
| AC75324-015 | 10/24/13 10:40 | RICAR | 0 | M | Received |
| AC75324-015 | 10/24/13 11:34 | RICAR | 0 | M | Login |
| AC75324-015 | 10/24/13 12:12 | R12 | 1 | A | NONE |
| AC75324-015 | 10/25/13 11:17 | JU | 1 | A | FILTER |
| AC75324-015 | 10/25/13 16:14 | R12 | 1 | A | NONE |
| AC75324-015 | 11/05/13 11:26 | JU | 1 | A | tdwi-hg |
| AC75324-015 | 11/05/13 12:41 | R12 | 1 | A | NONE |
| AC75324-015 | 10/24/13 12:12 | R12 | 2 | A | NONE |
| AC75324-015 | 10/29/13 09:12 | ANTH | 2 | A | cn-w |
| AC75324-015 | 10/29/13 12:57 | R12 | 2 | A | NONE |

| Lab#: | DateTime: | Loc or User | Bot Nu | A/M | Analysis |
|---|---|---|---|---|---|

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

# Laboratory Chronicle

**Client:** HDR
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102406

**Lab#: AC75324-001** **Sample ID: TB-10232013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/25/13 20:57 | WP |

**Lab#: AC75324-002** **Sample ID: DMW-5-10232013 U**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 20:35 | Janee |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | dyr | EPA 625 | 10/30/13 17:51 | AHD/JB |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/29/13 00:39 | SG |

**Lab#: AC75324-003** **Sample ID: DMW-5-10232013 F**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/28/13 | Anthony | EPA 335.4 | 10/28/13 15:52 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 11/05/13 | Julijana | 245.1 rev3.0 | 11/7/13 12:27 | OA |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 17:56 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 23:02 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.8 | 11/6/13 17:28 | GK |

**Lab#: AC75324-004** **Sample ID: PC-1-10232013 U**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Alkalinity-Bicarbonate (SM2320B-97) | | 10/29/13 | JW | SM2320B-97 | 10/29/13 00:00 | JW |
| Alkalinity-Total (SM2320B-97) | | 10/29/13 | JW | SM2320B-97 | 10/29/13 00:00 | JW |
| Chloride (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 19:45 | Janee |
| Nitrate-N (Water) 300.0 | | 10/24/13 | Janee | 300.0 rev2.1 | 10/24/13 17:45 | Janee |
| p-Alkalinity | | 10/29/13 | JW | SM2320B-97 | 10/29/13 00:00 | JW |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | dyr | EPA 625 | 10/30/13 18:58 | AHD/JB |
| Sulfate (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 18:03 | Janee |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/28/13 22:49 | SG |

# Laboratory Chronicle

**Client:** HDR
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102406

**Lab#: AC75324-005** **Sample ID: PC-1-10232013 F**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/28/13 | Anthony | EPA 335.4 | 10/28/13 15:54 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 11/05/13 | Julijana | 245.1 rev3.0 | 11/7/13 12:28 | OA |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 18:00 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 23:06 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.8 | 11/6/13 17:31 | GK |

**Lab#: AC75324-006** **Sample ID: LMW-4-10232013 U**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/24/13 | Janee | 300.0 rev2.1 | 10/24/13 19:52 | Janee |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | dyr | EPA 625 | 10/31/13 16:23 | AHD/JB |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/28/13 23:08 | SG |

**Lab#: AC75324-007** **Sample ID: LMW-4-10232013 F**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/29/13 | Anthony | EPA 335.4 | 10/29/13 14:56 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 11/05/13 | Julijana | 245.1 rev3.0 | 11/7/13 12:30 | OA |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 18:04 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 23:09 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.8 | 11/6/13 17:35 | GK |

**Lab#: AC75324-008** **Sample ID: PC-2-10232013 U**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/24/13 | Janee | 300.0 rev2.1 | 10/24/13 20:18 | Janee |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | dyr | EPA 625 | 10/30/13 19:42 | AHD/JB |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/28/13 23:26 | SG |

# Laboratory Chronicle

**Client:** HDR
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102406

**Lab#: AC75324-009** **Sample ID: PC-2-10232013 F**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/29/13 | Anthony | EPA 335.4 | 10/29/13 14:58 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 11/05/13 | Julijana | 245.1 rev3.0 | 11/7/13 12:35 | OA |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 18:09 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 23:12 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.8 | 11/6/13 17:45 | GK |

**Lab#: AC75324-010** **Sample ID: LMW-2-10232013 U**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/24/13 | Janee | 300.0 rev2.1 | 10/24/13 20:43 | Janee |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | dyr | EPA 625 | 10/31/13 20:28 | AHD/JB |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/28/13 23:45 | SG |

**Lab#: AC75324-011** **Sample ID: LMW-2-10232013 F**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/29/13 | Anthony | EPA 335.4 | 10/29/13 15:00 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 11/05/13 | Julijana | 245.1 rev3.0 | 11/7/13 12:36 | OA |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 23:14 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 18:14 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.8 | 11/6/13 17:48 | GK |

**Lab#: AC75324-012** **Sample ID: MW-11-10232013 U**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Alkalinity-Bicarbonate (SM2320B-97) | | 10/29/13 | JW | SM2320B-97 | 10/29/13 00:00 | JW |
| Alkalinity-Total (SM2320B-97) | | 10/29/13 | JW | SM2320B-97 | 10/29/13 00:00 | JW |
| BTEX (624) | EPA 624 | | | EPA 624 | 10/29/13 00:03 | SG |
| Nitrate-N (Water) 300.0 | | 10/24/13 | Janee | 300.0 rev2.1 | 10/24/13 19:01 | Janee |
| p-Alkalinity | | 10/29/13 | JW | SM2320B-97 | 10/29/13 00:00 | JW |
| Sulfate (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 19:19 | Janee |

# Laboratory Chronicle

**Client:** HDR
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102406

**Lab#: AC75324-013** **Sample ID: MW-11-10232013 F**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Metals Pair 200.7 | EPA 200.2 | 11/05/13 | Julijana | 200.7 | 11/6/13 18:18 | SRB |

**Lab#: AC75324-014** **Sample ID: PC-3-10232013 U**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 21:01 | Janee |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | dyr | EPA 625 | 10/31/13 16:01 | AHD/JB |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/29/13 00:21 | SG |

**Lab#: AC75324-015** **Sample ID: PC-3-10232013 F**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/29/13 | Anthony | EPA 335.4 | 10/29/13 15:02 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 11/05/13 | Julijana | 245.1 rev3.0 | 11/7/13 12:38 | OA |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 18:40 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.7 | 11/6/13 23:31 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 11/05/13 | Julijana | EPA 200.8 | 11/6/13 17:52 | GK |

# HCV Reporting Limit Definitions/Data Qualifiers

## REPORTING DEFINITIONS

**DF** = Dilution Factor

**MDL** = Method Detection Limit

**RL*** = Reporting Limit

**ND** = Not Detected

**RT** = Retention Time

**NA** = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

## DATA QUALIFIERS

**B-** Indicates analyte was present in the Method Blank and sample.

**d-** For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

**E-** Indicates the concentration exceeded the upper calibration range of the instrument.

**J-** Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

# HCV Report Of Analysis

**Client:** HDR
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102406

**Sample ID:** TB-10232013
**Lab#:** AC75324-001
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |

**Sample ID:** TB-10232013 **Collection Date:** 10/23/2013
**Lab#:** AC75324-001 **Receipt Date:** 10/24/2013
**Matrix:** Aqueous

| | | | | |
|---|---|---|---|---|
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** DMW-5-10232013 U
**Lab#:** AC75324-002
**Matrix:** Aqueous
**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Chloride (Water) 300.0**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Chloride** | **5** | **mg/l** | **10** | **120** |

**Semivolatile Organics + 25 (625)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.0 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.0 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.50 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.0 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Methylphenol | 1 | ug/l | 0.50 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.0 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.50 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.0 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.0 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.50 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.0 | ND |
| Acenaphthene | 1 | ug/l | 2.0 | ND |
| Acenaphthylene | 1 | ug/l | 2.0 | ND |
| Acetophenone | 1 | ug/l | 2.0 | ND |
| Anthracene | 1 | ug/l | 2.0 | ND |
| Atrazine | 1 | ug/l | 2.0 | ND |
| Benzaldehyde | 1 | ug/l | 2.0 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.50 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.0 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.0 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.0 | ND |
| **Caprolactam** | **1** | **ug/l** | **2.0** | **67** |
| Carbazole | 1 | ug/l | 2.0 | ND |
| Chrysene | 1 | ug/l | 2.0 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND |
| Dibenzofuran | 1 | ug/l | 0.50 | ND |
| Diethylphthalate | 1 | ug/l | 2.0 | ND |
| Dimethylphthalate | 1 | ug/l | 2.0 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.50 | ND |

**Sample ID: DMW-5-10232013 U** | **Collection Date: 10/23/2013**
**Lab#: AC75324-002** | **Receipt Date: 10/24/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| Di-n-octylphthalate | 1 | ug/l | 2.0 | ND |
| Fluoranthene | 1 | ug/l | 2.0 | ND |
| Fluorene | 1 | ug/l | 2.0 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.0 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.0 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 2.0 | ND |
| Hexachloroethane | 1 | ug/l | 2.0 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND |
| Isophorone | 1 | ug/l | 2.0 | ND |
| Naphthalene | 1 | ug/l | 0.50 | ND |
| Nitrobenzene | 1 | ug/l | 2.0 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.50 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.0 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.0 | ND |
| Phenol | 1 | ug/l | 2.0 | ND |
| Pyrene | 1 | ug/l | 2.0 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **N-tert-Butyl-1-[(tert-butylimino)methyl** | **1** | **ug/l** | **11.74** | **9.6J** |
| **Thiazole, 4-ethyl-2-propyl-** | **1** | **ug/l** | **13.7** | **4.6J** |
| **unknown** | **1** | **ug/l** | **14.95** | **140J** |
| **Cholest-5-en-3-ol (3.beta.)-** | **1** | **ug/l** | **15.13** | **6.3J** |
| **unknown** | **1** | **ug/l** | **15.36** | **4.3J** |
| **unknown** | **1** | **ug/l** | **15.85** | **230J** |
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.17** | **8.5JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **400J** |

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| **Carbon disulfide** | **1** | **ug/l** | **1.0** | **1.0** |

**Sample ID: DMW-5-10232013 U** **Collection Date: 10/23/2013**
**Lab#: AC75324-002** **Receipt Date: 10/24/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** DMW-5-10232013 F
**Lab#:** AC75324-003
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Cyanide-Water (EPA 335.4)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

**Mercury (Water) 245.1**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| **Barium** | **1** | **ug/l** | **25** | **84** |
| **Calcium** | **1** | **ug/l** | **1000** | **52000** |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| Iron | 1 | ug/l | 150 | ND |
| **Magnesium** | **1** | **ug/l** | **1000** | **7900** |
| **Manganese** | **1** | **ug/l** | **25** | **730** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **4300** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **99000** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| Lead | 1 | ug/l | 0.75 | ND |
| Thallium | 1 | ug/l | 1.5 | ND |

**Sample ID:** PC-1-10232013 U
**Lab#:** AC75324-004
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

### Alkalinity-Bicarbonate (SM2320B-97)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Alkalinity | 1 | mg/l | 10 | 190 |

### Alkalinity-Total (SM2320B-97)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Alkalinity | 1 | mg caco3/l | 10 | 190 |

### Chloride (Water) 300.0

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Chloride | 5 | mg/l | 10 | 120 |

### Nitrate-N (Water) 300.0

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Nitrate | 1 | mg/l | 1.0 | ND |

### p-Alkalinity

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| p-Alkalinity | 1 | mg caco3/l | 10 | ND |

### Semivolatile Organics + 25 (625)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.0 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.0 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.50 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.0 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Methylphenol | 1 | ug/l | 0.50 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.0 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.50 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.0 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.0 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.50 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.0 | ND |
| Acenaphthene | 1 | ug/l | 2.0 | ND |
| Acenaphthylene | 1 | ug/l | 2.0 | ND |
| Acetophenone | 1 | ug/l | 2.0 | ND |
| Anthracene | 1 | ug/l | 2.0 | ND |
| Atrazine | 1 | ug/l | 2.0 | ND |
| Benzaldehyde | 1 | ug/l | 2.0 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND |

**Sample ID:** PC-1-10232013 U
**Lab#:** AC75324-004
**Matrix:** Aqueous
**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

| | | | | |
|---|---|---|---|---|
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.50 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.0 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.0 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.0 | ND |
| **Caprolactam** | **1** | **ug/l** | **2.0** | **56** |
| Carbazole | 1 | ug/l | 2.0 | ND |
| Chrysene | 1 | ug/l | 2.0 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND |
| Dibenzofuran | 1 | ug/l | 0.50 | ND |
| Diethylphthalate | 1 | ug/l | 2.0 | ND |
| Dimethylphthalate | 1 | ug/l | 2.0 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.50 | ND |
| Di-n-octylphthalate | 1 | ug/l | 2.0 | ND |
| Fluoranthene | 1 | ug/l | 2.0 | ND |
| Fluorene | 1 | ug/l | 2.0 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.0 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.0 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 2.0 | ND |
| Hexachloroethane | 1 | ug/l | 2.0 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND |
| Isophorone | 1 | ug/l | 2.0 | ND |
| Naphthalene | 1 | ug/l | 0.50 | ND |
| Nitrobenzene | 1 | ug/l | 2.0 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.50 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.0 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.0 | ND |
| Phenol | 1 | ug/l | 2.0 | ND |
| Pyrene | 1 | ug/l | 2.0 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **Glycine, N-[N-[N-(1-oxodecyl)-L-alanyl]** | **1** | **ug/l** | **11.73** | **9.8J** |
| **2'-pivalonaphthone** | **1** | **ug/l** | **13.7** | **7.7J** |
| **unknown** | **1** | **ug/l** | **14.41** | **6.7J** |
| **unknown** | **1** | **ug/l** | **14.95** | **190J** |
| **Cholest-5-en-3-ol (3.beta.)-** | **1** | **ug/l** | **15.13** | **18J** |
| **unknown** | **1** | **ug/l** | **15.18** | **6.7J** |
| **unknown** | **1** | **ug/l** | **15.35** | **7.4J** |
| **unknown** | **1** | **ug/l** | **15.86** | **310J** |
| **BIS(TETRAMETHYLENEDITHIOCARBAMATO)COPPE** | **1** | **ug/l** | **16.11** | **6.0J** |
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.16** | **4.8JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **570J** |

**Sulfate (Water) 300.0**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Sulfate** | **1** | **mg/l** | **2.0** | **21** |

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |

**Sample ID: PC-1-10232013 U** **Collection Date: 10/23/2013**
**Lab#: AC75324-004** **Receipt Date: 10/24/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** PC-1-10232013 F
**Lab#:** AC75324-005
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Cyanide-Water (EPA 335.4)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

**Mercury (Water) 245.1**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| **Barium** | **1** | **ug/l** | **25** | **86** |
| **Calcium** | **1** | **ug/l** | **1000** | **51000** |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| Iron | 1 | ug/l | 150 | ND |
| **Magnesium** | **1** | **ug/l** | **1000** | **7900** |
| **Manganese** | **1** | **ug/l** | **25** | **740** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **4200** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **98000** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| Lead | 1 | ug/l | 0.75 | ND |
| Thallium | 1 | ug/l | 1.5 | ND |

**Sample ID:** LMW-4-10232013 U
**Lab#:** AC75324-006
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Chloride (Water) 300.0**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Chloride** | **1** | **mg/l** | **2.0** | **16** |

**Semivolatile Organics + 25 (625)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.0 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.0 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.51 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.0 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Methylphenol | 1 | ug/l | 0.51 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.0 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.51 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.0 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.0 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.51 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.0 | ND |
| Acenaphthene | 1 | ug/l | 2.0 | ND |
| Acenaphthylene | 1 | ug/l | 2.0 | ND |
| Acetophenone | 1 | ug/l | 2.0 | ND |
| Anthracene | 1 | ug/l | 2.0 | ND |
| Atrazine | 1 | ug/l | 2.0 | ND |
| Benzaldehyde | 1 | ug/l | 2.0 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.51 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.0 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.0 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.0 | ND |
| **Caprolactam** | **1** | **ug/l** | **2.0** | **110** |
| Carbazole | 1 | ug/l | 2.0 | ND |
| Chrysene | 1 | ug/l | 2.0 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND |
| Dibenzofuran | 1 | ug/l | 0.51 | ND |
| Diethylphthalate | 1 | ug/l | 2.0 | ND |
| Dimethylphthalate | 1 | ug/l | 2.0 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.51 | ND |

**Sample ID: LMW-4-10232013 U** **Collection Date: 10/23/2013**
**Lab#: AC75324-006** **Receipt Date: 10/24/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| Di-n-octylphthalate | 1 | ug/l | 2.0 | ND |
| Fluoranthene | 1 | ug/l | 2.0 | ND |
| Fluorene | 1 | ug/l | 2.0 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.0 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.0 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 2.0 | ND |
| Hexachloroethane | 1 | ug/l | 2.0 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND |
| Isophorone | 1 | ug/l | 2.0 | ND |
| Naphthalene | 1 | ug/l | 0.51 | ND |
| Nitrobenzene | 1 | ug/l | 2.0 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.51 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.0 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.0 | ND |
| Phenol | 1 | ug/l | 2.0 | ND |
| Pyrene | 1 | ug/l | 2.0 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **unknown** | **1** | **ug/l** | **11.73** | **55J** |
| **unknown** | **1** | **ug/l** | **14.4** | **13J** |
| **unknown** | **1** | **ug/l** | **14.94** | **11J** |
| **unknown** | **1** | **ug/l** | **15.84** | **18J** |
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.16** | **4.6JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **100J** |

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| **Acetone** | **1** | **ug/l** | **10** | **24** |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |

**Sample ID: LMW-4-10232013 U** **Collection Date: 10/23/2013**
**Lab#: AC75324-006** **Receipt Date: 10/24/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** LMW-4-10232013 F
**Lab#:** AC75324-007
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

### Cyanide-Water (EPA 335.4)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

### Mercury (Water) 245.1

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

### TAL Metals 200.7

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| **Barium** | **1** | **ug/l** | **25** | **190** |
| **Calcium** | **1** | **ug/l** | **1000** | **62000** |
| Chromium | 1 | ug/l | 25 | ND |
| **Cobalt** | **1** | **ug/l** | **10** | **34** |
| Copper | 1 | ug/l | 25 | ND |
| **Iron** | **1** | **ug/l** | **150** | **64000** |
| **Magnesium** | **1** | **ug/l** | **1000** | **24000** |
| **Manganese** | **1** | **ug/l** | **25** | **15000** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **5300** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **34000** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

### TAL Metals 200.8

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| **Arsenic** | **1** | **ug/l** | **1.0** | **1.4** |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| Lead | 1 | ug/l | 0.75 | ND |
| Thallium | 1 | ug/l | 1.5 | ND |

**Sample ID:** PC-2-10232013 U
**Lab#:** AC75324-008
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Chloride (Water) 300.0**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Chloride | 1 | mg/l | 2.0 | 25 |

**Semivolatile Organics + 25 (625)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.0 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.0 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.50 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.0 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Methylphenol | 1 | ug/l | 0.50 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.0 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.50 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.0 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.0 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.50 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.0 | ND |
| Acenaphthene | 1 | ug/l | 2.0 | ND |
| Acenaphthylene | 1 | ug/l | 2.0 | ND |
| Acetophenone | 1 | ug/l | 2.0 | ND |
| Anthracene | 1 | ug/l | 2.0 | ND |
| Atrazine | 1 | ug/l | 2.0 | ND |
| Benzaldehyde | 1 | ug/l | 2.0 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.50 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.0 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.0 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.0 | ND |
| Caprolactam | 1 | ug/l | 2.0 | ND |
| Carbazole | 1 | ug/l | 2.0 | ND |
| Chrysene | 1 | ug/l | 2.0 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND |
| Dibenzofuran | 1 | ug/l | 0.50 | ND |
| Diethylphthalate | 1 | ug/l | 2.0 | ND |
| Dimethylphthalate | 1 | ug/l | 2.0 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.50 | ND |

**Sample ID:** PC-2-10232013 U
**Lab#:** AC75324-008
**Matrix:** Aqueous
**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

| | | | | |
|---|---|---|---|---|
| Di-n-octylphthalate | 1 | ug/l | 2.0 | ND |
| Fluoranthene | 1 | ug/l | 2.0 | ND |
| Fluorene | 1 | ug/l | 2.0 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.0 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.0 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 2.0 | ND |
| Hexachloroethane | 1 | ug/l | 2.0 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND |
| Isophorone | 1 | ug/l | 2.0 | ND |
| Naphthalene | 1 | ug/l | 0.50 | ND |
| Nitrobenzene | 1 | ug/l | 2.0 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.50 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.0 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.0 | ND |
| Phenol | 1 | ug/l | 2.0 | ND |
| Pyrene | 1 | ug/l | 2.0 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.17** | **5.7JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **5.7J** |

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |

**Sample ID:** PC-2-10232013 U
**Lab#:** AC75324-008
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

| | | | | |
|---|---|---|---|---|
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** PC-2-10232013 F
**Lab#:** AC75324-009
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Cyanide-Water (EPA 335.4)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

**Mercury (Water) 245.1**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| **Barium** | **1** | **ug/l** | **25** | **110** |
| **Calcium** | **1** | **ug/l** | **1000** | **78000** |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| **Iron** | **1** | **ug/l** | **150** | **21000** |
| **Magnesium** | **1** | **ug/l** | **1000** | **21000** |
| **Manganese** | **1** | **ug/l** | **25** | **10000** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **4800** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **46000** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| Lead | 1 | ug/l | 0.75 | ND |
| Thallium | 1 | ug/l | 1.5 | ND |

**Sample ID:** LMW-2-10232013 U
**Lab#:** AC75324-010
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Chloride (Water) 300.0**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Chloride** | **1** | **mg/l** | **2.0** | **14** |

**Semivolatile Organics + 25 (625)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 5 | ug/l | 10 | ND |
| 1,2,4,5-Tetrachlorobenzene | 5 | ug/l | 10 | ND |
| 2,3,4,6-Tetrachlorophenol | 5 | ug/l | 10 | ND |
| 2,4,5-Trichlorophenol | 5 | ug/l | 10 | ND |
| 2,4,6-Trichlorophenol | 5 | ug/l | 10 | ND |
| 2,4-Dichlorophenol | 5 | ug/l | 10 | ND |
| 2,4-Dimethylphenol | 5 | ug/l | 2.5 | ND |
| 2,4-Dinitrophenol | 5 | ug/l | 50 | ND |
| 2,4-Dinitrotoluene | 5 | ug/l | 10 | ND |
| 2,6-Dinitrotoluene | 5 | ug/l | 10 | ND |
| 2-Chloronaphthalene | 5 | ug/l | 10 | ND |
| 2-Chlorophenol | 5 | ug/l | 10 | ND |
| 2-Methylnaphthalene | 5 | ug/l | 10 | ND |
| 2-Methylphenol | 5 | ug/l | 2.5 | ND |
| 2-Nitroaniline | 5 | ug/l | 10 | ND |
| 2-Nitrophenol | 5 | ug/l | 10 | ND |
| 3&4-Methylphenol | 5 | ug/l | 2.5 | ND |
| 3,3'-Dichlorobenzidine | 5 | ug/l | 10 | ND |
| 3-Nitroaniline | 5 | ug/l | 10 | ND |
| 4,6-Dinitro-2-methylphenol | 5 | ug/l | 50 | ND |
| 4-Bromophenyl-phenylether | 5 | ug/l | 10 | ND |
| 4-Chloro-3-methylphenol | 5 | ug/l | 10 | ND |
| 4-Chloroaniline | 5 | ug/l | 2.5 | ND |
| 4-Chlorophenyl-phenylether | 5 | ug/l | 10 | ND |
| 4-Nitroaniline | 5 | ug/l | 10 | ND |
| 4-Nitrophenol | 5 | ug/l | 10 | ND |
| Acenaphthene | 5 | ug/l | 10 | ND |
| Acenaphthylene | 5 | ug/l | 10 | ND |
| Acetophenone | 5 | ug/l | 10 | ND |
| Anthracene | 5 | ug/l | 10 | ND |
| Atrazine | 5 | ug/l | 10 | ND |
| Benzaldehyde | 5 | ug/l | 10 | ND |
| Benzo[a]anthracene | 5 | ug/l | 10 | ND |
| Benzo[a]pyrene | 5 | ug/l | 10 | ND |
| Benzo[b]fluoranthene | 5 | ug/l | 10 | ND |
| Benzo[g,h,i]perylene | 5 | ug/l | 10 | ND |
| Benzo[k]fluoranthene | 5 | ug/l | 10 | ND |
| bis(2-Chloroethoxy)methane | 5 | ug/l | 10 | ND |
| bis(2-Chloroethyl)ether | 5 | ug/l | 2.5 | ND |
| bis(2-Chloroisopropyl)ether | 5 | ug/l | 10 | ND |
| bis(2-Ethylhexyl)phthalate | 5 | ug/l | 10 | ND |
| Butylbenzylphthalate | 5 | ug/l | 10 | ND |
| **Caprolactam** | **5** | **ug/l** | **10** | **920** |
| Carbazole | 5 | ug/l | 10 | ND |
| Chrysene | 5 | ug/l | 10 | ND |
| Dibenzo[a,h]anthracene | 5 | ug/l | 10 | ND |
| Dibenzofuran | 5 | ug/l | 2.5 | ND |
| Diethylphthalate | 5 | ug/l | 10 | ND |
| Dimethylphthalate | 5 | ug/l | 10 | ND |
| Di-n-butylphthalate | 5 | ug/l | 2.5 | ND |

**Sample ID: LMW-2-10232013 U** | **Collection Date: 10/23/2013**
**Lab#: AC75324-010** | **Receipt Date: 10/24/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| Di-n-octylphthalate | 5 | ug/l | 10 | ND |
| Fluoranthene | 5 | ug/l | 10 | ND |
| Fluorene | 5 | ug/l | 10 | ND |
| Hexachlorobenzene | 5 | ug/l | 10 | ND |
| Hexachlorobutadiene | 5 | ug/l | 10 | ND |
| Hexachlorocyclopentadiene | 5 | ug/l | 10 | ND |
| Hexachloroethane | 5 | ug/l | 10 | ND |
| Indeno[1,2,3-cd]pyrene | 5 | ug/l | 10 | ND |
| Isophorone | 5 | ug/l | 10 | ND |
| Naphthalene | 5 | ug/l | 2.5 | ND |
| Nitrobenzene | 5 | ug/l | 10 | ND |
| N-Nitroso-di-n-propylamine | 5 | ug/l | 2.5 | ND |
| N-Nitrosodiphenylamine | 5 | ug/l | 10 | ND |
| Pentachlorophenol | 5 | ug/l | 50 | ND |
| Phenanthrene | 5 | ug/l | 10 | ND |
| Phenol | 5 | ug/l | 10 | ND |
| Pyrene | 5 | ug/l | 10 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **unknown** | **5** | **ug/l** | **14.94** | **37J** |
| **unknown** | **5** | **ug/l** | **15.84** | **62J** |
| **TotalSemiVolatileTic** | **5** | **ug/l** | **NA** | **99J** |

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |

**Sample ID:** LMW-2-10232013 U
**Lab#:** AC75324-010
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

| | | | | |
|---|---|---|---|---|
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** LMW-2-10232013 F
**Lab#:** AC75324-011
**Matrix:** Aqueous
**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Cyanide-Water (EPA 335.4)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

**Mercury (Water) 245.1**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| **Barium** | **1** | **ug/l** | **25** | **110** |
| **Calcium** | **1** | **ug/l** | **1000** | **83000** |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| Iron | 1 | ug/l | 150 | ND |
| **Magnesium** | **1** | **ug/l** | **1000** | **31000** |
| **Manganese** | **1** | **ug/l** | **25** | **210** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **4400** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **30000** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| Lead | 1 | ug/l | 0.75 | ND |
| Thallium | 1 | ug/l | 1.5 | ND |

**Sample ID:** MW-11-10232013 U
**Lab#:** AC75324-012
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Alkalinity-Bicarbonate (SM2320B-97)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Alkalinity | 1 | mg/l | 10 | 290 |

**Alkalinity-Total (SM2320B-97)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Alkalinity | 1 | mg caco3/l | 10 | 290 |

**BTEX (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Benzene | 1 | ug/l | 0.50 | 2.7 |
| Ethylbenzene | 1 | ug/l | 1.0 | 24 |
| m&p-Xylenes | 1 | ug/l | 1.0 | 6.2 |
| o-Xylene | 1 | ug/l | 1.0 | 2.4 |
| Toluene | 1 | ug/l | 1.0 | 1.2 |
| Xylenes (Total) | 1 | ug/l | 1.0 | 8.6 |

**Nitrate-N (Water) 300.0**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Nitrate | 1 | mg/l | 1.0 | ND |

**p-Alkalinity**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| p-Alkalinity | 1 | mg caco3/l | 10 | ND |

**Sulfate (Water) 300.0**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Sulfate | 1 | mg/l | 2.0 | 3.8 |

**Sample ID:** MW-11-10232013 F
**Lab#:** AC75324-013
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Metals Pair 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Iron | 1 | ug/l | 150 | 4100 |
| Manganese | 1 | ug/l | 25 | 3600 |

**Sample ID:** PC-3-10232013 U
**Lab#:** AC75324-014
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Chloride (Water) 300.0**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Chloride** | **10** | **mg/l** | **20** | **180** |

**Semivolatile Organics + 25 (625)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.1 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.1 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.1 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.1 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.1 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.1 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.52 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.1 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.1 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.1 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.1 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.1 | ND |
| 2-Methylphenol | 1 | ug/l | 0.52 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.1 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.1 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.52 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.1 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.1 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.1 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.1 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.52 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.1 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.1 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.1 | ND |
| Acenaphthene | 1 | ug/l | 2.1 | ND |
| Acenaphthylene | 1 | ug/l | 2.1 | ND |
| Acetophenone | 1 | ug/l | 2.1 | ND |
| Anthracene | 1 | ug/l | 2.1 | ND |
| Atrazine | 1 | ug/l | 2.1 | ND |
| Benzaldehyde | 1 | ug/l | 2.1 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.1 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.1 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.1 | ND |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.1 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.1 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.1 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.52 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.1 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.1 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.1 | ND |
| **Caprolactam** | **1** | **ug/l** | **2.1** | **31** |
| Carbazole | 1 | ug/l | 2.1 | ND |
| Chrysene | 1 | ug/l | 2.1 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.1 | ND |
| Dibenzofuran | 1 | ug/l | 0.52 | ND |
| Diethylphthalate | 1 | ug/l | 2.1 | ND |
| Dimethylphthalate | 1 | ug/l | 2.1 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.52 | ND |

**Sample ID: PC-3-10232013 U** **Collection Date: 10/23/2013**
**Lab#: AC75324-014** **Receipt Date: 10/24/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| Di-n-octylphthalate | 1 | ug/l | 2.1 | ND |
| Fluoranthene | 1 | ug/l | 2.1 | ND |
| Fluorene | 1 | ug/l | 2.1 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.1 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.1 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 2.1 | ND |
| Hexachloroethane | 1 | ug/l | 2.1 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.1 | ND |
| Isophorone | 1 | ug/l | 2.1 | ND |
| Naphthalene | 1 | ug/l | 0.52 | ND |
| Nitrobenzene | 1 | ug/l | 2.1 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.52 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.1 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.1 | ND |
| Phenol | 1 | ug/l | 2.1 | ND |
| Pyrene | 1 | ug/l | 2.1 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **3-NITRO-4-METHYLPYRAZOLE** | **1** | **ug/l** | **14.95** | **88J** |
| **unknown** | **1** | **ug/l** | **15.85** | **150J** |
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.16** | **4.5JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **240J** |

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |

**Sample ID:** PC-3-10232013 U
**Lab#:** AC75324-014
**Matrix:** Aqueous
**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

| | | | | |
|---|---|---|---|---|
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** PC-3-10232013 F
**Lab#:** AC75324-015
**Matrix:** Aqueous

**Collection Date:** 10/23/2013
**Receipt Date:** 10/24/2013

**Cyanide-Water (EPA 335.4)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

**Mercury (Water) 245.1**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| **Barium** | **1** | **ug/l** | **25** | **150** |
| **Calcium** | **1** | **ug/l** | **1000** | **76000** |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| Iron | 1 | ug/l | 150 | ND |
| **Magnesium** | **1** | **ug/l** | **1000** | **20000** |
| **Manganese** | **1** | **ug/l** | **25** | **280** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **6400** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **83000** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| Lead | 1 | ug/l | 0.75 | ND |
| Thallium | 1 | ug/l | 1.5 | ND |

# Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M08762.D
Analysis Date: 10/25/13 11:30
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |

Worksheet #: 283100

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 1M08762.D
Analysis Date: 10/25/13 11:30
Date Rec/Extracted:

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283100

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M08806.D
Analysis Date: 10/28/13 08:53
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |

Worksheet #: 283100

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Number: | DAILY BLANK | Matrix: | Aqueous |
| Client Id: | | Initial Vol: | 5ml |
| Data File: | 1M08806.D | Final Vol: | NA |
| Analysis Date: | 10/28/13 08:53 | Dilution: | 1.00 |
| Date Rec/Extracted: | | Solids: | |
| | | Method: | EPA 624 |

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283100

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75324-001
Client Id: TB-10232013
Data File: 1M08796.D
Analysis Date: 10/25/13 20:57
Date Rec/Extracted: 10/24/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283100

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-001
Client Id: TB-10232013
Data File: 1M08796.D
Analysis Date: 10/25/13 20:57
Date Rec/Extracted: 10/24/13-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283100

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75324-002
Client Id: DMW-5-10232013 U
Data File: 1M08862.D
Analysis Date: 10/29/13 00:39
Date Rec/Extracted: 10/24/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| **75-15-0** | **Carbon Disulfide** | **1.0** | **1.0** | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |



*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-002
Client Id: DMW-5-10232013 U
Data File: 1M08862.D
Analysis Date: 10/29/13 00:39
Date Rec/Extracted: 10/24/13-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283100

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75324-004
Client Id: PC-1-10232013 U
Data File: 1M08856.D
Analysis Date: 10/28/13 22:49
Date Rec/Extracted: 10/24/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283100

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-004
Client Id: PC-1-10232013 U
Data File: 1M08856.D
Analysis Date: 10/28/13 22:49
Date Rec/Extracted: 10/24/13-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283100

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75324-006
Client Id: LMW-4-10232013 U
Data File: 1M08857.D
Analysis Date: 10/28/13 23:08
Date Rec/Extracted: 10/24/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| **67-64-1** | **Acetone** | **10** | **24** | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |



*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-006
Client Id: LMW-4-10232013 U
Data File: 1M08857.D
Analysis Date: 10/28/13 23:08
Date Rec/Extracted: 10/24/13-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283100

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75324-008
Client Id: PC-2-10232013 U
Data File: 1M08858.D
Analysis Date: 10/28/13 23:26
Date Rec/Extracted: 10/24/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283100

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-008
Client Id: PC-2-10232013 U
Data File: 1M08858.D
Analysis Date: 10/28/13 23:26
Date Rec/Extracted: 10/24/13-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283100

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75324-010
Client Id: LMW-2-10232013 U
Data File: 1M08859.D
Analysis Date: 10/28/13 23:45
Date Rec/Extracted: 10/24/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283100

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Number: | AC75324-010 | Matrix: | Aqueous |
| Client Id: | LMW-2-10232013 U | Initial Vol: | 5ml |
| Data File: | 1M08859.D | Final Vol: | NA |
| Analysis Date: | 10/28/13 23:45 | Dilution: | 1.00 |
| Date Rec/Extracted: | 10/24/13-NA | Solids: | |
| | | Method: | EPA 624 |

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283100

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75324-012
Client Id: MW-11-10232013 U
Data File: 1M08860.D
Analysis Date: 10/29/13 00:03
Date Rec/Extracted: 10/24/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | 0.50 | 2.7 | 95-47-6 | o-Xylene | 1.0 | 2.4 |
| 100-41-4 | Ethylbenzene | 1.0 | 24 | 108-88-3 | Toluene | 1.0 | 1.2 |
| 136777612 | m&p-Xylenes | 1.0 | 6.2 | 1330-20-7 | Xylenes (Total) | 1.0 | 8.6 |



*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75324-014
Client Id: PC-3-10232013 U
Data File: 1M08861.D
Analysis Date: 10/29/13 00:21
Date Rec/Extracted: 10/24/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283100

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-014
Client Id: PC-3-10232013 U
Data File: 1M08861.D
Analysis Date: 10/29/13 00:21
Date Rec/Extracted: 10/24/13-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283100

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form3
# Recovery Data
## QC Batch: MBS31163

| | Data File | Sample ID: | Analysis Date |
|---|---|---|---|
| Spike or Dup: | 1M08371.D | AC75043-004(MS) | 10/15/2013 12:41:00 P |
| Non Spike(If applicable): | 1M08293.D | AC75043-004 | 10/12/2013 2:56:00 AM |
| Inst Blank(If applicable): | | | |

Method: 624 | Matrix: Aqueous | QC Type: MS

| Analyte: | Col | Spike Conc | Sample Conc | Expected Conc | Recovery | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|
| Chloromethane | 1 | 20.085 | 0 | 20 | 100 | 1 | 273 |
| Bromomethane | 1 | 18.4118 | 0 | 20 | 92 | 1 | 242 |
| Vinyl Chloride | 1 | 20.1478 | 0 | 20 | 101 | 1 | 251 |
| Chloroethane | 1 | 17.3555 | 0 | 20 | 87 | 14 | 230 |
| Trichlorofluoromethane | 1 | 18.3935 | 0 | 20 | 92 | 17 | 181 |
| Methylene Chloride | 1 | 19.7563 | 0 | 20 | 99 | 1 | 221 |
| 1,1-Dichloroethene | 1 | 21.0637 | 0 | 20 | 105 | 1 | 234 |
| 1,1-Dichloroethane | 1 | 21.453 | 0 | 20 | 107 | 59 | 155 |
| trans-1,2-Dichloroethene | 1 | 21.0359 | 0 | 20 | 105 | 54 | 156 |
| Chloroform | 1 | 19.9272 | 0 | 20 | 100 | 51 | 138 |
| 1,2-Dichloroethane | 1 | 19.8644 | 0 | 20 | 99 | 49 | 155 |
| 1,1,1-Trichloroethane | 1 | 18.2291 | 0 | 20 | 91 | 52 | 162 |
| Carbon Tetrachloride | 1 | 17.2747 | 0 | 20 | 86 | 70 | 140 |
| Bromodichloromethane | 1 | 18.416 | 0 | 20 | 92 | 35 | 155 |
| 1,2-Dichloropropane | 1 | 23.7121 | 0 | 20 | 119 | 1 | 210 |
| Trichloroethene | 1 | 20.1457 | 0 | 20 | 101 | 71 | 157 |
| Benzene | 1 | 22.2655 | 0 | 20 | 111 | 37 | 151 |
| Dibromochloromethane | 1 | 15.2435 | 0 | 20 | 76 | 53 | 149 |
| 2-Chloroethylvinylether | 1 | 0 | 0 | 20 | 0* | 1 | 305 |
| cis-1,3-Dichloropropene | 1 | 16.0916 | 0 | 20 | 80 | 1 | 227 |
| trans-1,3-Dichloropropene | 1 | 12.7931 | 0 | 20 | 64 | 17 | 183 |
| 1,1,2-Trichloroethane | 1 | 18.1904 | 0 | 20 | 91 | 52 | 150 |
| Tetrachloroethene | 1 | 19.03 | 0 | 20 | 95 | 64 | 148 |
| Toluene | 1 | 19.8544 | 0 | 20 | 99 | 47 | 150 |
| Chlorobenzene | 1 | 18.6303 | 0 | 20 | 93 | 37 | 160 |
| Bromoform | 1 | 12.312 | 0 | 20 | 62 | 45 | 169 |
| Ethylbenzene | 1 | 20.5066 | 0 | 20 | 103 | 37 | 162 |
| 1,1,2,2-Tetrachloroethane | 1 | 18.1549 | 0 | 20 | 91 | 46 | 157 |
| 1,3-Dichlorobenzene | 1 | 19.4204 | 0 | 20 | 97 | 59 | 156 |
| 1,4-Dichlorobenzene | 1 | 17.2459 | 0 | 20 | 86 | 18 | 190 |
| 1,2-Dichlorobenzene | 1 | 17.2499 | 0 | 20 | 86 | 18 | 190 |

* - Indicates outside of limits  # - Indicates outside of standard limits but within method exceedance limits

# Form3
# Recovery Data
## QC Batch: MBS31163

| | Data File | Sample ID: | Analysis Date |
|---|---|---|---|
| Spike or Dup: | 1M08372.D | AC75043-004(MSD) | 10/15/2013 12:57:00 P |
| Non Spike(If applicable): | 1M08293.D | AC75043-004 | 10/12/2013 2:56:00 AM |
| Inst Blank(If applicable): | | | |

Method: 624 | Matrix: Aqueous | QC Type: MSD

| Analyte: | Col | Spike Conc | Sample Conc | Expected Conc | Recovery | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|
| Chloromethane | 1 | 19.1221 | 0 | 20 | 96 | 1 | 273 |
| Bromomethane | 1 | 21.5736 | 0 | 20 | 108 | 1 | 242 |
| Vinyl Chloride | 1 | 19.235 | 0 | 20 | 96 | 1 | 251 |
| Chloroethane | 1 | 17.9457 | 0 | 20 | 90 | 14 | 230 |
| Trichlorofluoromethane | 1 | 17.9666 | 0 | 20 | 90 | 17 | 181 |
| Methylene Chloride | 1 | 18.9108 | 0 | 20 | 95 | 1 | 221 |
| 1,1-Dichloroethene | 1 | 19.0046 | 0 | 20 | 95 | 1 | 234 |
| 1,1-Dichloroethane | 1 | 19.8658 | 0 | 20 | 99 | 59 | 155 |
| trans-1,2-Dichloroethene | 1 | 19.6229 | 0 | 20 | 98 | 54 | 156 |
| Chloroform | 1 | 19.031 | 0 | 20 | 95 | 51 | 138 |
| 1,2-Dichloroethane | 1 | 19.5177 | 0 | 20 | 98 | 49 | 155 |
| 1,1,1-Trichloroethane | 1 | 17.1467 | 0 | 20 | 86 | 52 | 162 |
| Carbon Tetrachloride | 1 | 16.9868 | 0 | 20 | 85 | 70 | 140 |
| Bromodichloromethane | 1 | 18.6698 | 0 | 20 | 93 | 35 | 155 |
| 1,2-Dichloropropane | 1 | 22.3502 | 0 | 20 | 112 | 1 | 210 |
| Trichloroethene | 1 | 19.9325 | 0 | 20 | 100 | 71 | 157 |
| Benzene | 1 | 21.6932 | 0 | 20 | 108 | 37 | 151 |
| Dibromochloromethane | 1 | 15.8308 | 0 | 20 | 79 | 53 | 149 |
| 2-Chloroethylvinylether | 1 | 0 | 0 | 20 | 0* | 1 | 305 |
| cis-1,3-Dichloropropene | 1 | 15.6598 | 0 | 20 | 78 | 1 | 227 |
| trans-1,3-Dichloropropene | 1 | 12.8457 | 0 | 20 | 64 | 17 | 183 |
| 1,1,2-Trichloroethane | 1 | 18.4706 | 0 | 20 | 92 | 52 | 150 |
| Tetrachloroethene | 1 | 18.8035 | 0 | 20 | 94 | 64 | 148 |
| Toluene | 1 | 19.9131 | 0 | 20 | 100 | 47 | 150 |
| Chlorobenzene | 1 | 18.8773 | 0 | 20 | 94 | 37 | 160 |
| Bromoform | 1 | 13.3694 | 0 | 20 | 67 | 45 | 169 |
| Ethylbenzene | 1 | 19.5771 | 0 | 20 | 98 | 37 | 162 |
| 1,1,2,2-Tetrachloroethane | 1 | 17.5669 | 0 | 20 | 88 | 46 | 157 |
| 1,3-Dichlorobenzene | 1 | 18.3161 | 0 | 20 | 92 | 59 | 156 |
| 1,4-Dichlorobenzene | 1 | 17.3856 | 0 | 20 | 87 | 18 | 190 |
| 1,2-Dichlorobenzene | 1 | 16.8979 | 0 | 20 | 84 | 18 | 190 |

* - Indicates outside of limits  # - Indicates outside of standard limits but within method exceedance limits

# Form3
# Recovery Data
## QC Batch: MBS31169

| | Data File | Sample ID: | Analysis Date |
|---|---|---|---|
| Spike or Dup: | 1M08384.D | AC75034-001(MS) | 10/15/2013 4:17:00 PM |
| Non Spike(If applicable): | 1M08299.D | AC75034-001 | 10/12/2013 4:37:00 AM |
| Inst Blank(If applicable): | | | |

Method: 624 | Matrix: Aqueous | QC Type: MS

| Analyte: | Col | Spike Conc | Sample Conc | Expected Conc | Recovery | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|
| Chloromethane | 1 | 17.9249 | 0 | 20 | 90 | 1 | 273 |
| Bromomethane | 1 | 17.5216 | 0 | 20 | 88 | 1 | 242 |
| Vinyl Chloride | 1 | 16.2139 | 0 | 20 | 81 | 1 | 251 |
| Chloroethane | 1 | 16.4595 | 0 | 20 | 82 | 14 | 230 |
| Trichlorofluoromethane | 1 | 16.5826 | 0 | 20 | 83 | 17 | 181 |
| Methylene Chloride | 1 | 18.4614 | 1.0862 | 20 | 87 | 1 | 221 |
| 1,1-Dichloroethene | 1 | 18.8292 | 0 | 20 | 94 | 1 | 234 |
| 1,1-Dichloroethane | 1 | 18.765 | 0 | 20 | 94 | 59 | 155 |
| trans-1,2-Dichloroethene | 1 | 19.582 | 0 | 20 | 98 | 54 | 156 |
| Chloroform | 1 | 17.4189 | 0 | 20 | 87 | 51 | 138 |
| 1,2-Dichloroethane | 1 | 17.8542 | 0 | 20 | 89 | 49 | 155 |
| 1,1,1-Trichloroethane | 1 | 16.0897 | 0 | 20 | 80 | 52 | 162 |
| Carbon Tetrachloride | 1 | 16.7114 | 0 | 20 | 84 | 70 | 140 |
| Bromodichloromethane | 1 | 17.8971 | 0 | 20 | 89 | 35 | 155 |
| 1,2-Dichloropropane | 1 | 20.3143 | 0 | 20 | 102 | 1 | 210 |
| Trichloroethene | 1 | 19.3145 | 0 | 20 | 97 | 71 | 157 |
| Benzene | 1 | 20.4816 | 0 | 20 | 102 | 37 | 151 |
| Dibromochloromethane | 1 | 15.0604 | 0 | 20 | 75 | 53 | 149 |
| 2-Chloroethylvinylether | 1 | 0 | 0 | 20 | 0* | 1 | 305 |
| cis-1,3-Dichloropropene | 1 | 13.7806 | 0 | 20 | 69 | 1 | 227 |
| trans-1,3-Dichloropropene | 1 | 10.7744 | 0 | 20 | 54 | 17 | 183 |
| 1,1,2-Trichloroethane | 1 | 16.832 | 0 | 20 | 84 | 52 | 150 |
| Tetrachloroethene | 1 | 17.0884 | 0 | 20 | 85 | 64 | 148 |
| Toluene | 1 | 17.5276 | 0 | 20 | 88 | 47 | 150 |
| Chlorobenzene | 1 | 17.4425 | 0 | 20 | 87 | 37 | 160 |
| Bromoform | 1 | 12.5222 | 0 | 20 | 63 | 45 | 169 |
| Ethylbenzene | 1 | 19.5631 | 0 | 20 | 98 | 37 | 162 |
| 1,1,2,2-Tetrachloroethane | 1 | 15.6824 | 0 | 20 | 78 | 46 | 157 |
| 1,3-Dichlorobenzene | 1 | 17.4481 | 0 | 20 | 87 | 59 | 156 |
| 1,4-Dichlorobenzene | 1 | 15.6493 | 0 | 20 | 78 | 18 | 190 |
| 1,2-Dichlorobenzene | 1 | 15.7989 | 0 | 20 | 79 | 18 | 190 |

* - Indicates outside of limits  # - Indicates outside of standard limits but within method exceedance limits

# Form3
# Recovery Data
## QC Batch: MBS31169

| | Data File | Sample ID: | Analysis Date |
|---|---|---|---|
| Spike or Dup: | 1M08385.D | AC75034-001(MSD) | 10/15/2013 4:34:00 PM |
| Non Spike(If applicable): | 1M08299.D | AC75034-001 | 10/12/2013 4:37:00 AM |
| Inst Blank(If applicable): | | | |

Method: 624 | Matrix: Aqueous | QC Type: MSD

| Analyte: | Col | Spike Conc | Sample Conc | Expected Conc | Recovery | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|
| Chloromethane | 1 | 15.9926 | 0 | 20 | 80 | 1 | 273 |
| Bromomethane | 1 | 17.0602 | 0 | 20 | 85 | 1 | 242 |
| Vinyl Chloride | 1 | 16.9316 | 0 | 20 | 85 | 1 | 251 |
| Chloroethane | 1 | 15.6231 | 0 | 20 | 78 | 14 | 230 |
| Trichlorofluoromethane | 1 | 16.7195 | 0 | 20 | 84 | 17 | 181 |
| Methylene Chloride | 1 | 17.1605 | 1.0862 | 20 | 80 | 1 | 221 |
| 1,1-Dichloroethene | 1 | 17.8311 | 0 | 20 | 89 | 1 | 234 |
| 1,1-Dichloroethane | 1 | 17.4675 | 0 | 20 | 87 | 59 | 155 |
| trans-1,2-Dichloroethene | 1 | 18.6718 | 0 | 20 | 93 | 54 | 156 |
| Chloroform | 1 | 17.0568 | 0 | 20 | 85 | 51 | 138 |
| 1,2-Dichloroethane | 1 | 17.0153 | 0 | 20 | 85 | 49 | 155 |
| 1,1,1-Trichloroethane | 1 | 16.0275 | 0 | 20 | 80 | 52 | 162 |
| Carbon Tetrachloride | 1 | 16.1389 | 0 | 20 | 81 | 70 | 140 |
| Bromodichloromethane | 1 | 16.7414 | 0 | 20 | 84 | 35 | 155 |
| 1,2-Dichloropropane | 1 | 19.3993 | 0 | 20 | 97 | 1 | 210 |
| Trichloroethene | 1 | 18.2473 | 0 | 20 | 91 | 71 | 157 |
| Benzene | 1 | 18.8513 | 0 | 20 | 94 | 37 | 151 |
| Dibromochloromethane | 1 | 15.0869 | 0 | 20 | 75 | 53 | 149 |
| 2-Chloroethylvinylether | 1 | 0 | 0 | 20 | 0* | 1 | 305 |
| cis-1,3-Dichloropropene | 1 | 13.4484 | 0 | 20 | 67 | 1 | 227 |
| trans-1,3-Dichloropropene | 1 | 10.4905 | 0 | 20 | 52 | 17 | 183 |
| 1,1,2-Trichloroethane | 1 | 16.7142 | 0 | 20 | 84 | 52 | 150 |
| Tetrachloroethene | 1 | 17.0053 | 0 | 20 | 85 | 64 | 148 |
| Toluene | 1 | 17.1704 | 0 | 20 | 86 | 47 | 150 |
| Chlorobenzene | 1 | 16.7205 | 0 | 20 | 84 | 37 | 160 |
| Bromoform | 1 | 12.893 | 0 | 20 | 64 | 45 | 169 |
| Ethylbenzene | 1 | 17.6021 | 0 | 20 | 88 | 37 | 162 |
| 1,1,2,2-Tetrachloroethane | 1 | 16.2266 | 0 | 20 | 81 | 46 | 157 |
| 1,3-Dichlorobenzene | 1 | 16.6082 | 0 | 20 | 83 | 59 | 156 |
| 1,4-Dichlorobenzene | 1 | 14.9936 | 0 | 20 | 75 | 18 | 190 |
| 1,2-Dichlorobenzene | 1 | 15.1316 | 0 | 20 | 76 | 18 | 190 |

* - Indicates outside of limits  # - Indicates outside of standard limits but within method exceedance limits

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB29082
Client Id:
Data File: 10M40846.D
Analysis Date: 10/30/13 17:28
Date Rec/Extracted: NA-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.50 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.50 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | 105-60-2 | Caprolactam | 2.0 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.50 | U |
| 95-48-7 | 2-Methylphenol | 0.50 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.50 | U |
| 106-44-5 | 3&4-Methylphenol | 0.50 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 2.0 | U |
| 106-47-8 | 4-Chloroaniline | 0.50 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.50 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.50 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |

Worksheet #: 283066

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: WMB29082
Client Id:
Data File: 10M40846.D
Analysis Date: 10/30/13 17:28
Date Rec/Extracted: NA-10/30/13

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.16 | <10% |
| 2 | | unknown | 5.61 | <10% |

Worksheet #: 283066

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75324-002
Client Id: DMW-5-10232013 U
Data File: 10M40847.D
Analysis Date: 10/30/13 17:51
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.50 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.50 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | **105-60-2** | **Caprolactam** | **2.0** | **67** |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.50 | U |
| 95-48-7 | 2-Methylphenol | 0.50 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.50 | U |
| 106-44-5 | 3&4-Methylphenol | 0.50 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 2.0 | U |
| 106-47-8 | 4-Chloroaniline | 0.50 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.50 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.50 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |



*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-002
Client Id: DMW-5-10232013 U
Data File: 10M40847.D
Analysis Date: 10/30/13 17:51
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids:
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.17 | 8.5 JB |
| 2 | 31336-10-4 | N-tert-Butyl-1-[(tert-butylimino)methyl] | 11.74 | 9.6 J |
| 3 | 41981-68-4 | Thiazole, 4-ethyl-2-propyl- | 13.70 | 4.6 J |
| 4 | | unknown | 14.95 | 140 J |
| 5 | 57-88-5 | Cholest-5-en-3-ol (3.beta.)- | 15.13 | 6.3 J |
| 6 | | unknown | 15.36 | 4.3 J |
| 7 | | unknown | 15.85 | 230 J |

Worksheet #: 283066

***Total Tentatively Identified Concentration*** 400

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75324-004
Client Id: PC-1-10232013 U
Data File: 10M40850.D
Analysis Date: 10/30/13 18:58
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.50 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.50 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | **105-60-2** | **Caprolactam** | **2.0** | **56** |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.50 | U |
| 95-48-7 | 2-Methylphenol | 0.50 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.50 | U |
| 106-44-5 | 3&4-Methylphenol | 0.50 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 2.0 | U |
| 106-47-8 | 4-Chloroaniline | 0.50 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.50 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.50 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |



*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea*
*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-004
Client Id: PC-1-10232013 U
Data File: 10M40850.D
Analysis Date: 10/30/13 18:58
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.16 | 4.8 JB |
| 2 | 35146-55-5 | Glycine, N-[N-[N-(1-oxodecyl)-L-alanyl]g | 11.73 | 9.8 J |
| 3 | 7270-99-7 | 2'-pivalonaphthone | 13.70 | 7.7 J |
| 4 | | unknown | 14.41 | 6.7 J |
| 5 | | unknown | 14.95 | 190 J |
| 6 | 57-88-5 | Cholest-5-en-3-ol (3.beta.)- | 15.13 | 18 J |
| 7 | | unknown | 15.18 | 6.7 J |
| 8 | | unknown | 15.35 | 7.4 J |
| 9 | | unknown | 15.86 | 310 J |
| 10 | 23301-60-2 | BIS(TETRAMETHYLENEDITHIOCARB | 16.11 | 6.0 J |

Worksheet #: 283066

***Total Tentatively Identified Concentration*** 570

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75324-006
Client Id: LMW-4-10232013 U
Data File: 10M40877.D
Analysis Date: 10/31/13 16:23
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 990ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.51 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.51 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | **105-60-2** | **Caprolactam** | **2.0** | **110** |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.51 | U |
| 95-48-7 | 2-Methylphenol | 0.51 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.51 | U |
| 106-44-5 | 3&4-Methylphenol | 0.51 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 2.0 | U |
| 106-47-8 | 4-Chloroaniline | 0.51 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.51 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.51 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |

Worksheet #: 283066

***Total Target Concentration*** 110

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-006
Client Id: LMW-4-10232013 U
Data File: 10M40877.D
Analysis Date: 10/31/13 16:23
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 990ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.16 | 4.6 JB |
| 2 | | unknown | 11.73 | 55 J |
| 3 | | unknown | 14.40 | 13 J |
| 4 | | unknown | 14.94 | 11 J |
| 5 | | unknown | 15.84 | 18 J |

Worksheet #: 283066

***Total Tentatively Identified Concentration*** 100

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75324-008
Client Id: PC-2-10232013 U
Data File: 10M40852.D
Analysis Date: 10/30/13 19:42
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.50 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.50 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | 105-60-2 | Caprolactam | 2.0 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.50 | U |
| 95-48-7 | 2-Methylphenol | 0.50 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.50 | U |
| 106-44-5 | 3&4-Methylphenol | 0.50 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 2.0 | U |
| 106-47-8 | 4-Chloroaniline | 0.50 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.50 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.50 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |

Worksheet #: 283066

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-008
Client Id: PC-2-10232013 U
Data File: 10M40852.D
Analysis Date: 10/30/13 19:42
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.17 | 5.7 JB |

Worksheet #: 283066

***Total Tentatively Identified Concentration*** 5.7

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75324-010(5X)
Client Id: LMW-2-10232013 U
Data File: 10M40888.D
Analysis Date: 10/31/13 20:28
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 5
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 10 | U | 205-99-2 | Benzo[b]fluoranthene | 10 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 10 | U | 191-24-2 | Benzo[g,h,i]perylene | 10 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 10 | U | 207-08-9 | Benzo[k]fluoranthene | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U | 111-44-4 | bis(2-Chloroethyl)ether | 2.5 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 2.5 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U | 85-68-7 | Butylbenzylphthalate | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U | **105-60-2** | **Caprolactam** | **10** | **920** |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U | 86-74-8 | Carbazole | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U | 218-01-9 | Chrysene | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U | 53-70-3 | Dibenzo[a,h]anthracene | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U | 132-64-9 | Dibenzofuran | 2.5 | U |
| 95-48-7 | 2-Methylphenol | 2.5 | U | 84-66-2 | Diethylphthalate | 10 | U |
| 88-74-4 | 2-Nitroaniline | 10 | U | 131-11-3 | Dimethylphthalate | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U | 84-74-2 | Di-n-butylphthalate | 2.5 | U |
| 106-44-5 | 3&4-Methylphenol | 2.5 | U | 117-84-0 | Di-n-octylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10 | U | 206-44-0 | Fluoranthene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 10 | U | 86-73-7 | Fluorene | 10 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U | 118-74-1 | Hexachlorobenzene | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U | 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U | 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 2.5 | U | 67-72-1 | Hexachloroethane | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 10 | U | 78-59-1 | Isophorone | 10 | U |
| 100-02-7 | 4-Nitrophenol | 10 | U | 91-20-3 | Naphthalene | 2.5 | U |
| 83-32-9 | Acenaphthene | 10 | U | 98-95-3 | Nitrobenzene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 2.5 | U |
| 98-86-2 | Acetophenone | 10 | U | 86-30-6 | n-Nitrosodiphenylamine | 10 | U |
| 120-12-7 | Anthracene | 10 | U | 87-86-5 | Pentachlorophenol | 50 | U |
| 1912-24-9 | Atrazine | 10 | U | 85-01-8 | Phenanthrene | 10 | U |
| 100-52-7 | Benzaldehyde | 10 | U | 108-95-2 | Phenol | 10 | U |
| 56-55-3 | Benzo[a]anthracene | 10 | U | 129-00-0 | Pyrene | 10 | U |
| 50-32-8 | Benzo[a]pyrene | 10 | U | | | | |

Worksheet #: 283066

***Total Target Concentration*** 920

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-010(5X)
Client Id: LMW-2-10232013 U
Data File: 10M40888.D
Analysis Date: 10/31/13 20:28
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 5
Solids:
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 14.94 | 37 J |
| 2 | | unknown | 15.84 | 62 J |

Worksheet #: 283066

***Total Tentatively Identified Concentration*** 99

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75324-014
Client Id: PC-3-10232013 U
Data File: 10M40876.D
Analysis Date: 10/31/13 16:01
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 970ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.1 | U | 205-99-2 | Benzo[b]fluoranthene | 2.1 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.1 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.1 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.1 | U | 207-08-9 | Benzo[k]fluoranthene | 2.1 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.1 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.1 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.1 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.52 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.1 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.1 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.52 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.1 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.1 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.1 | U | **105-60-2** | **Caprolactam** | **2.1** | **31** |
| 606-20-2 | 2,6-Dinitrotoluene | 2.1 | U | 86-74-8 | Carbazole | 2.1 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.1 | U | 218-01-9 | Chrysene | 2.1 | U |
| 95-57-8 | 2-Chlorophenol | 2.1 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.1 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.1 | U | 132-64-9 | Dibenzofuran | 0.52 | U |
| 95-48-7 | 2-Methylphenol | 0.52 | U | 84-66-2 | Diethylphthalate | 2.1 | U |
| 88-74-4 | 2-Nitroaniline | 2.1 | U | 131-11-3 | Dimethylphthalate | 2.1 | U |
| 88-75-5 | 2-Nitrophenol | 2.1 | U | 84-74-2 | Di-n-butylphthalate | 0.52 | U |
| 106-44-5 | 3&4-Methylphenol | 0.52 | U | 117-84-0 | Di-n-octylphthalate | 2.1 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.1 | U | 206-44-0 | Fluoranthene | 2.1 | U |
| 99-09-2 | 3-Nitroaniline | 2.1 | U | 86-73-7 | Fluorene | 2.1 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.1 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.1 | U | 87-68-3 | Hexachlorobutadiene | 2.1 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.1 | U | 77-47-4 | Hexachlorocyclopentadiene | 2.1 | U |
| 106-47-8 | 4-Chloroaniline | 0.52 | U | 67-72-1 | Hexachloroethane | 2.1 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.1 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.1 | U |
| 100-01-6 | 4-Nitroaniline | 2.1 | U | 78-59-1 | Isophorone | 2.1 | U |
| 100-02-7 | 4-Nitrophenol | 2.1 | U | 91-20-3 | Naphthalene | 0.52 | U |
| 83-32-9 | Acenaphthene | 2.1 | U | 98-95-3 | Nitrobenzene | 2.1 | U |
| 208-96-8 | Acenaphthylene | 2.1 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.52 | U |
| 98-86-2 | Acetophenone | 2.1 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.1 | U |
| 120-12-7 | Anthracene | 2.1 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.1 | U | 85-01-8 | Phenanthrene | 2.1 | U |
| 100-52-7 | Benzaldehyde | 2.1 | U | 108-95-2 | Phenol | 2.1 | U |
| 56-55-3 | Benzo[a]anthracene | 2.1 | U | 129-00-0 | Pyrene | 2.1 | U |
| 50-32-8 | Benzo[a]pyrene | 2.1 | U | | | | |



*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea*
*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-014
Client Id: PC-3-10232013 U
Data File: 10M40876.D
Analysis Date: 10/31/13 16:01
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 970ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.16 | 4.5 JB |
| 2 | 38858-90-1 | 3-NITRO-4-METHYLPYRAZOLE | 14.95 | 88 J |
| 3 | | unknown | 15.85 | 150 J |

Worksheet #: 283066

***Total Tentatively Identified Concentration*** 240

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# FORM2

## Surrogate Recovery

Method: EPA 625

| Dfile | Sample# | Matrix | Date/Time | Surr Dil | Dilute Out Flag | Column1 S1 Recov | Column1 S2 Recov | Column1 S3 Recov | Column1 S4 Recov | Column1 S5 Recov | Column1 S6 Recov |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10M40846.D | WMB29082 | Aqueous | 10/30/13 17:28 | 1 | | 38 | 22* | 100 | 104 | 105 | 107 |
| 10M40847.D | AC75324-002 | Aqueous | 10/30/13 17:51 | 1 | | 59 | 40 | 105 | 106 | 113 | 112 |
| 10M40850.D | AC75324-004 | Aqueous | 10/30/13 18:58 | 1 | | 33 | 19* | 103 | 104 | 101 | 111 |
| 10M40877.D | AC75324-006 | Aqueous | 10/31/13 16:23 | 1 | | 35 | 21* | 97 | 96 | 107 | 100 |
| 10M40852.D | AC75324-008 | Aqueous | 10/30/13 19:42 | 1 | | 37 | 21* | 100 | 101 | 105 | 106 |
| 10M40888.D | AC75324-010( | Aqueous | 10/31/13 20:28 | 5 | SD | 30 | 17* | 85 | 93 | 78 | 95 |
| 10M40876.D | AC75324-014 | Aqueous | 10/31/13 16:01 | 1 | | 35 | 21* | 94 | 99 | 99 | 98 |
| 10M40844.D | WMB29082(M | Aqueous | 10/30/13 16:44 | 1 | | 43 | 25* | 107 | 104 | 110 | 118 |
| 10M40848.D | AC75324-002( | Aqueous | 10/30/13 18:13 | 1 | | 58 | 39 | 100 | 84 | 104 | 111 |
| 10M40849.D | AC75324-002( | Aqueous | 10/30/13 18:35 | 1 | | 62 | 42 | 104 | 90 | 104 | 116 |

**Flags:** SD=Surrogate diluted out
*=Surrogate out

**Method:** EPA 625

### Aqueous Limits

| Compound | Spike Amt | Limits |
|---|---|---|
| S1=2-Fluorophenol | 100 | 29-113 |
| S2=Phenol-d5 | 100 | 27-115 |
| S3=Nitrobenzene-d5 | 50 | 51-139 |
| S4=2-Fluorobiphenyl | 50 | 53-129 |
| S5=2,4,6-Tribromophenol | 100 | 54-149 |
| S6=Terphenyl-d14 | 50 | 55-146 |

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-003 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | DMW-5-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 19 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 19 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 19 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 19 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 19 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 19 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-003 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | DMW-5-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | 84 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 52000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 7900 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 730 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/07/13 | 27348 | H15635A | 18 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 4300 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 21 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 99000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 21 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 22 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-005 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | PC-1-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 20 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 20 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 20 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 20 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 20 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 20 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-005 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | PC-1-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | 86 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 51000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 7900 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 740 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/07/13 | 27348 | H15635A | 19 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 4200 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 22 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 98000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 22 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 23 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-007 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | LMW-4-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 21 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | 1.4 | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 21 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 21 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 21 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 21 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 21 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-007 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | LMW-4-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | 190 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 62000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | 34 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | 64000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 24000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 15000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/07/13 | 27348 | H15635A | 20 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 5300 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 23 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 34000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 23 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 24 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-009 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | PC-2-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 24 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 24 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 24 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 24 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 24 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 24 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-009 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | PC-2-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | 110 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 78000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | 21000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 21000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 10000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/07/13 | 27348 | H15635A | 23 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 4800 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 24 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 46000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 24 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 25 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-011 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | LMW-2-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 25 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 25 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 25 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 25 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 25 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 25 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-011 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | LMW-2-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | 110 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 83000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 31000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 210 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/07/13 | 27348 | H15635A | 24 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 4400 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 25 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 30000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 25 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 26 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-013 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | MW-11-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-89-6 | Iron | 150 | 4100 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 27 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 3600 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 27 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-015 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | PC-3-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 26 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 26 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 26 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 26 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 26 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 26 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75324-015 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | PC-3-10232013 F | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/24/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | 150 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 76000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 20000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 280 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/07/13 | 27348 | H15635A | 25 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 6400 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 30 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 83000 | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 30 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 32 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

Sample ID: MB 27348 % Solid: 0 Lab Name: Veritech
Client Id: MB 27348 Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 12 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 12 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 12 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 12 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 12 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/06/13 | 27348 | 0613DNEW | 12 | MS | MS3_7700AQA |

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

Sample ID: MB 27348 (0.5) % Solid: 0 Lab Name: Veritech
Client Id: MB 27348 (0.5) Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-36-0 | Antimony | 7.5 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-38-2 | Arsenic | 20 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-41-7 | Beryllium | 4.0 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-43-9 | Cadmium | 2.0 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7439-92-1 | Lead | 5.0 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7439-98-7 | Molybdenum | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 10 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635B2 | 10 | P | PEICPRAD2A |
| 7440-28-0 | Thallium | 5.0 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-31-5 | Tin | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-32-6 | Titanium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/06/13 | 27348 | A15635A2 | 11 | P | PEICP2A |

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

Sample ID: MB 27348 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 27348 (1) Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/07/13 | 27348 | H15635A | 11 | CV | HGCV1A |

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/06/13
Data File: A15635A2
Prep Batch: 27348
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB V-174666-8 | CCB-20 | CCB-31 | CCB-40 | CCB-50 | MB 27348 (0.5)-11 | | |
|---|---|---|---|---|---|---|---|---|
| **Aluminum** | .2 U | .2 U | .2 U | .2 U | .2 U | .1 U | | |
| **Antimony** | .015 U | .015 U | .015 U | .015 U | .015 U | .0075 U | | |
| **Arsenic** | .04 U | .04 U | .04 U | .04 U | .04 U | .02 U | | |
| **Barium** | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U | | |
| **Beryllium** | .008 U | .008 U | .008 U | .008 U | .008 U | .004 U | | |
| **Cadmium** | .004 U | .004 U | .004 U | .004 U | .004 U | .002 U | | |
| **Calcium** | 2 U | 2 U | 2 U | 2 U | 2 U | 1 U | | |
| **Chromium** | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U | | |
| **Cobalt** | .02 U | .02 U | .02 U | .02 U | .02 U | .01 U | | |
| **Copper** | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U | | |
| **Iron** | .3 U | .3 U | .3 U | .3 U | .3 U | .15 U | | |
| **Lead** | .01 U | .01 U | .01 U | .01 U | .01 U | .005 U | | |
| **Magnesium** | 2 U | 2 U | 2 U | 2 U | 2 U | 1 U | | |
| **Manganese** | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U | | |
| **Molybdenum** | .02 U | .02 U | .02 U | .02 U | .02 U | .01 U | | |
| **Nickel** | .02 U | .02 U | .02 U | .02 U | .02 U | .01 U | | |
| **Selenium** | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U | | |
| **Silver** | .02 U | .02 U | .02 U | .02 U | .02 U | .01 U | | |
| **Thallium** | .01 U | .01 U | .01 U | .01 U | .01 U | .005 U | | |
| **Vanadium** | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U | | |
| **Zinc** | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/06/13
Data File: A15635B2
Prep Batch: 27348
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICPRAD2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB V-174666-7 | CCB-19 | CCB-29 | CCB-40 | MB 27348 (0.5)-10 | | | |
|---|---|---|---|---|---|---|---|---|
| **Potassium** | 5 U | 5 U | 5 U | 5 U | 2.5 U | | | |
| **Sodium** | 5 U | 5 U | 5 U | 5 U | 2.5 U | | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/07/13
Data File: A15635C2
Prep Batch: 27348
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICPRAD2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB V-174666-7 | CCB-17 | CCB-23 | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Sodium** | 5 U | 5 U | 5 U | | | | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/07/13
Data File: H15635A
Prep Batch: 27348
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB-10 | CCB-22 | CCB-34 | CCB-41 | MB 27348 (1)-11 | | | |
|---|---|---|---|---|---|---|---|---|
| **Mercury** | .2 U | .2 U | .2 U | .2 U | .2 U | | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/06/13
Data File: W110613DNEW
Prep Batch: 27348
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: MS3_7700AQA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | CCB V-176106-11 | CCB V-176106-23 | CCB V-176106-35 | CCB V-176106-40 | MB 27348-12 | | | |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | 2 U | 2 U | 2 U | 2 U | 2.5 U | | | |
| **Arsenic** | .8 U | .8 U | .8 U | .8 U | 1 U | | | |
| **Beryllium** | .6 U | .6 U | .6 U | .6 U | .75 U | | | |
| **Cadmium** | .8 U | .8 U | .8 U | .8 U | 1 U | | | |
| **Lead** | .6 U | .6 U | .6 U | .6 U | .75 U | | | |
| **Thallium** | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 1.5 U | | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM6/FORM9

## RPD/%Difference Data

PREP BATCH: 27348

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC75323-002

| Analyte | BatchId | Data Fil | Seq#: | MS File | Seq# | Result 1 | Result 2 | RPD | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27348 | A15635A2 | 17 | A15635A2 | 16 | 5.6176 | 5.6685 | .9 | 20 |
| Antimony | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.5551 | 0.5585 | .6 | 20 |
| Arsenic | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.5569 | 0.5691 | 2.2 | 20 |
| Barium | 27348 | A15635A2 | 17 | A15635A2 | 16 | 1.0274 | 1.0459 | 1.8 | 20 |
| Beryllium | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.4758 | 0.4785 | .56 | 20 |
| Cadmium | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.5463 | 0.5521 | 1 | 20 |
| Calcium | 27348 | A15635A2 | 17 | A15635A2 | 16 | 349.1310 | 357.5140 | 2.4 | 20 |
| Chromium | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.4702 | 0.4758 | 1.2 | 20 |
| Cobalt | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.4681 | 0.4725 | .95 | 20 |
| Copper | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.5374 | 0.5411 | .68 | 20 |
| Iron | 27348 | A15635A2 | 17 | A15635A2 | 16 | 65.7411 | 66.6855 | 1.4 | 20 |
| Lead | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.4632 | 0.4664 | .7 | 20 |
| Magnesium | 27348 | A15635A2 | 17 | A15635A2 | 16 | 705.5400 | 722.6100 | 2.4 | 20 |
| Manganese | 27348 | A15635A2 | 17 | A15635A2 | 16 | 4.8830 | 4.9506 | 1.4 | 20 |
| Nickel | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.5491 | 0.5558 | 1.2 | 20 |
| Potassium | 27348 | A15635B2 | 16 | A15635B2 | 15 | 283.1150 | 289.4110 | 2.2 | 20 |
| Selenium | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.5491 | 0.5522 | .56 | 20 |
| Silver | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.1130 | 0.1148 | 1.6 | 20 |
| Sodium | 27348 | A15635C2 | 13 | A15635C2 | 12 | 586.9030 | 573.9110 | 2.2 | 20 |
| Thallium | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.4321 | 0.4319 | .044 | 20 |
| Vanadium | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.4936 | 0.4989 | 1.1 | 20 |
| Zinc | 27348 | A15635A2 | 17 | A15635A2 | 16 | 0.4966 | 0.5005 | .77 | 20 |

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC75323-003

| Analyte | BatchId | Data Fil | Seq#: | MS File | Seq# | Result 1 | Result 2 | RPD | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 27348 | H15635A | 17 | H15635A | 16 | 10.2202 | 10.3692 | 1.4 | 20 |

TxtQcType: SD Matrix: AQUEOUS SampleID: AC75323-002

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | DF | Result 1 | Result 2 | %Diff | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.1714 | 0.6936 | 24 | a | 10 |
| Antimony | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0087 | 0.0046 | --- | | 10 |
| Arsenic | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | -0.0011 | 0.0096 | --- | | 10 |
| Barium | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.1102 | 0.5351 | 2.9 | | 10 |
| Beryllium | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0005 | 0.0003 | 700 | c | 10 |
| Cadmium | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0025 | 0.0027 | 366 | c | 10 |
| Calcium | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 63.8874 | 298.8880 | 6.9 | | 10 |
| Chromium | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0010 | 0.0018 | 193 | c | 10 |
| Cobalt | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0010 | 0.0019 | 165 | c | 10 |
| Copper | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0006 | 0.0040 | --- | | 10 |
| Iron | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 12.7283 | 60.7203 | 4.8 | | 10 |
| Lead | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0022 | 0.0026 | --- | | 10 |
| Magnesium | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 136.9560 | 658.8130 | 3.9 | | 10 |
| Manganese | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.8909 | 4.3468 | 2.5 | | 10 |
| Nickel | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0180 | 0.0910 | 0.99 | | 10 |
| Potassium | 27348 | A15635B2 | 20 | A15635B2 | 13 | 5 | 41.1862 | 221.6880 | 7.1 | | 10 |
| Selenium | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | -0.0031 | 0.0007 | --- | | 10 |
| Silver | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0017 | 0.0018 | 375 | c | 10 |
| Sodium | 27348 | A15635C2 | 15 | A15635C2 | 10 | 5 | 124.5490 | 573.2770 | 8.6 | | 10 |
| Thallium | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | -0.0016 | -0.0084 | --- | | 10 |
| Vanadium | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0189 | 0.0139 | 583 | a | 10 |
| Zinc | 27348 | A15635A2 | 21 | A15635A2 | 14 | 5 | 0.0040 | 0.0283 | 29 | c | 10 |

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

# VERITECH Wet Chem Form1 Analysis Summary

Lab#: AC75324-002 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: DMW-5-10232013 U | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | **5** | **120** | **mg/L** | **10** | 10/30/13 | 10/30/13 |

Lab#: AC75324-003 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: DMW-5-10232013 F | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/28/13 | 10/28/13 |

Lab#: AC75324-004 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: PC-1-10232013 U | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Alkalinity | ALKALIN-MUR | **1** | **190** | **mg CaCO3/l** | **10** | 10/29/13 | 10/29/13 |
| Alkalinity | ALK-BICARB | **1** | **190** | **mg/L** | **10** | 10/29/13 | 10/29/13 |
| Chloride | CHLORIDE-ICW | **5** | **120** | **mg/L** | **10** | 10/30/13 | 10/30/13 |
| Nitrate | NO3-ICW | 1 | ND | mg/L | 1.0 | 10/24/13 | 10/24/13 |
| p-Alkalinity | P-ALKALINITY | 1 | ND | mg CaCO3/l | 10 | 10/29/13 | 10/29/13 |
| Sulfate | SO4-ICW | **1** | **21** | **mg/L** | **2.0** | 10/30/13 | 10/30/13 |

Lab#: AC75324-005 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: PC-1-10232013 F | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/28/13 | 10/28/13 |

Lab#: AC75324-006 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: LMW-4-10232013 U | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | **1** | **16** | **mg/L** | **2.0** | 10/24/13 | 10/24/13 |

Lab#: AC75324-007 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: LMW-4-10232013 F | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/29/13 | 10/29/13 |

Lab#: AC75324-008 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: PC-2-10232013 U | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | **1** | **25** | **mg/L** | **2.0** | 10/24/13 | 10/24/13 |

Lab#: AC75324-009 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: PC-2-10232013 F | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/29/13 | 10/29/13 |

# VERITECH Wet Chem Form1 Analysis Summary

Lab#: AC75324-010 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: LMW-2-10232013 U | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | **1** | **14** | **mg/L** | **2.0** | 10/24/13 | 10/24/13 |

Lab#: AC75324-011 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: LMW-2-10232013 F | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/29/13 | 10/29/13 |

Lab#: AC75324-012 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: MW-11-10232013 U | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Alkalinity | ALKALIN-MUR | **1** | **290** | **mg CaCO3/l** | **10** | 10/29/13 | 10/29/13 |
| Alkalinity | ALK-BICARB | **1** | **290** | **mg/L** | **10** | 10/29/13 | 10/29/13 |
| Nitrate | NO3-ICW | 1 | ND | mg/L | 1.0 | 10/24/13 | 10/24/13 |
| p-Alkalinity | P-ALKALINITY | 1 | ND | mg CaCO3/l | 10 | 10/29/13 | 10/29/13 |
| Sulfate | SO4-ICW | **1** | **3.8** | **mg/L** | **2.0** | 10/30/13 | 10/30/13 |

Lab#: AC75324-014 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: PC-3-10232013 U | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | **10** | **180** | **mg/L** | **20** | 10/30/13 | 10/30/13 |

Lab#: AC75324-015 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: PC-3-10232013 F | Collect Date: 10/23/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/29/13 | 10/29/13 |

# Blank Summary

Instrument: IC2

## Qc Type: Method Blank Summary  Prep Date: 10/24/13

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131014152 | 10/24/13 14:54 | MBW-5066 | 141 | Chloride | ND | 2.0 |
| 20131014152 | 10/24/13 14:54 | MBW-5066 | 141 | Nitrate | ND | 1.0 |
| 20131014152 | 10/24/13 14:54 | MBW-5066 | 141 | Sulfate | ND | 2.0 |
| 20131029104 | 10/30/13 13:46 | MBW-5067 | 12 | Chloride | ND | 2.0 |
| 20131029104 | 10/30/13 13:46 | MBW-5067 | 12 | Nitrate | ND | 1.0 |
| 20131029104 | 10/30/13 13:46 | MBW-5067 | 12 | Sulfate | ND | 2.0 |

## Qc Type: ICB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131014152 | 10/14/13 18:17 | ICB | 8 | Chloride | ND | 2.0 |
| 20131014152 | 10/14/13 18:17 | ICB | 8 | Nitrate | ND | 1.0 |
| 20131014152 | 10/14/13 18:17 | ICB | 8 | Sulfate | ND | 2.0 |
| 20131029104 | 10/29/13 13:39 | ICB | 8 | Chloride | ND | 2.0 |
| 20131029104 | 10/29/13 13:39 | ICB | 8 | Nitrate | ND | 1.0 |
| 20131029104 | 10/29/13 13:39 | ICB | 8 | Sulfate | ND | 2.0 |

## Qc Type: CCB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131014152 | 10/24/13 14:28 | CCB | 140 | Chloride | ND | 2.0 |
| 20131014152 | 10/24/13 21:34 | CCB | 152 | Chloride | ND | 2.0 |
| 20131014152 | 10/24/13 14:28 | CCB | 140 | Nitrate | ND | 1.0 |
| 20131014152 | 10/24/13 21:34 | CCB | 152 | Nitrate | ND | 1.0 |
| 20131014152 | 10/24/13 14:28 | CCB | 140 | Sulfate | ND | 2.0 |
| 20131014152 | 10/24/13 21:34 | CCB | 152 | Sulfate | ND | 2.0 |
| 20131029104 | 10/30/13 13:20 | CCB | 11 | Chloride | ND | 2.0 |
| 20131029104 | 10/30/13 18:54 | CCB | 23 | Chloride | ND | 2.0 |
| 20131029104 | 10/30/13 21:52 | CCB | 30 | Chloride | ND | 2.0 |
| 20131029104 | 10/30/13 13:20 | CCB | 11 | Nitrate | ND | 1.0 |
| 20131029104 | 10/30/13 18:54 | CCB | 23 | Nitrate | ND | 1.0 |
| 20131029104 | 10/30/13 21:52 | CCB | 30 | Nitrate | ND | 1.0 |
| 20131029104 | 10/30/13 13:20 | CCB | 11 | Sulfate | ND | 2.0 |
| 20131029104 | 10/30/13 18:54 | CCB | 23 | Sulfate | ND | 2.0 |
| 20131029104 | 10/30/13 21:52 | CCB | 30 | Sulfate | ND | 2.0 |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/14/2013 4:10:00 PM |

Sample ID: CCV RunID: 11 Analysis Date: 10/15/2013 11:30:00 AM

| Analyte | RT | LowLimit | Hi Limit | Flag |
|---|---|---|---|---|
| Bromide | 10.44 | 9.389999 | 11.41 | |
| Chloride | 6.42 | 6 | 6.78 | |
| Fluoride | 3.8 | 3.64 | 3.92 | |
| Nitrate | 12.2 | 10.98 | 13.36 | |
| Nitrite | 8.03 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.59 | 15.42 | 17.64 | |
| Sulfate | 18.17 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 23 Analysis Date: 10/15/2013 4:35:00 PM

| Analyte | RT | LowLimit | Hi Limit | Flag |
|---|---|---|---|---|
| Bromide | 10.49 | 9.389999 | 11.41 | |
| Chloride | 6.43 | 6 | 6.78 | |
| Fluoride | 3.8 | 3.64 | 3.92 | |
| Nitrate | 12.26 | 10.98 | 13.36 | |
| Nitrite | 8.04 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.64 | 15.42 | 17.64 | |
| Sulfate | 18.16 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 35 Analysis Date: 10/15/2013 9:40:00 PM

| Analyte | RT | LowLimit | Hi Limit | Flag |
|---|---|---|---|---|
| Bromide | 10.48 | 9.389999 | 11.41 | |
| Chloride | 6.45 | 6 | 6.78 | |
| Fluoride | 3.82 | 3.64 | 3.92 | |
| Nitrate | 12.25 | 10.98 | 13.36 | |
| Nitrite | 8.06 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.64 | 15.42 | 17.64 | |
| Sulfate | 18.22 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 39 Analysis Date: 10/15/2013 11:22:00 PM

| Analyte | RT | LowLimit | Hi Limit | Flag |
|---|---|---|---|---|
| Bromide | 10.46 | 9.389999 | 11.41 | |
| Chloride | 6.44 | 6 | 6.78 | |
| Fluoride | 3.81 | 3.64 | 3.92 | |
| Nitrate | 12.22 | 10.98 | 13.36 | |
| Nitrite | 8.04 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.59 | 15.42 | 17.64 | |
| Sulfate | 18.15 | 17.07 | 19.07 | |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/14/2013 4:10:00 PM |

Sample ID: CCV RunID: 42 Analysis Date: 10/16/2013 10:41:00 AM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.5 | 9.389999 | 11.41 | |
| Chloride | 6.46 | 6 | 6.78 | |
| Fluoride | 3.82 | 3.64 | 3.92 | |
| Nitrate | 12.27 | 10.98 | 13.36 | |
| Nitrite | 8.07 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.74 | 15.42 | 17.64 | |
| Sulfate | 18.3 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 54 Analysis Date: 10/16/2013 3:46:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.9 | 9.389999 | 11.41 | |
| Chloride | 6.64 | 6 | 6.78 | |
| Fluoride | 3.89 | 3.64 | 3.92 | |
| Nitrate | 12.73 | 10.98 | 13.36 | |
| Nitrite | 8.32 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 17.18 | 15.42 | 17.64 | |
| Sulfate | 18.5 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 66 Analysis Date: 10/16/2013 8:51:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.68 | 9.389999 | 11.41 | |
| Chloride | 6.53 | 6 | 6.78 | |
| Fluoride | 3.84 | 3.64 | 3.92 | |
| Nitrate | 12.49 | 10.98 | 13.36 | |
| Nitrite | 8.17 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.97 | 15.42 | 17.64 | |
| Sulfate | 18.34 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 78 Analysis Date: 10/17/2013 1:56:00 AM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.6 | 9.389999 | 11.41 | |
| Chloride | 6.49 | 6 | 6.78 | |
| Fluoride | 3.83 | 3.64 | 3.92 | |
| Nitrate | 12.4 | 10.98 | 13.36 | |
| Nitrite | 8.12 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.86 | 15.42 | 17.64 | |
| Sulfate | 18.28 | 17.07 | 19.07 | |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/14/2013 4:10:00 PM |

Sample ID: CCV RunID: 86 Analysis Date: 10/17/2013 5:19:00 AM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 0 | 9.389999 | 11.41 | * |
| Chloride | 0 | 6 | 6.78 | * |
| Fluoride | 0 | 3.64 | 3.92 | * |
| Nitrate | 0 | 10.98 | 13.36 | * |
| Nitrite | 0 | 7.4 | 8.56 | * |
| Phosphorus (Ortho) | 0 | 15.42 | 17.64 | * |
| Sulfate | 18.25 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 89 Analysis Date: 10/18/2013 10:36:00 AM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.49 | 9.389999 | 11.41 | |
| Chloride | 6.45 | 6 | 6.78 | |
| Fluoride | 3.82 | 3.64 | 3.92 | |
| Nitrate | 12.25 | 10.98 | 13.36 | |
| Nitrite | 8.06 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.69 | 15.42 | 17.64 | |
| Sulfate | 18.31 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 100 Analysis Date: 10/18/2013 5:10:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.45 | 9.389999 | 11.41 | |
| Chloride | 6.43 | 6 | 6.78 | |
| Fluoride | 3.81 | 3.64 | 3.92 | |
| Nitrate | 12.21 | 10.98 | 13.36 | |
| Nitrite | 8.04 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.68 | 15.42 | 17.64 | |
| Sulfate | 18.28 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 111 Analysis Date: 10/18/2013 9:49:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.49 | 9.389999 | 11.41 | |
| Chloride | 6.46 | 6 | 6.78 | |
| Fluoride | 3.83 | 3.64 | 3.92 | |
| Nitrate | 12.26 | 10.98 | 13.36 | |
| Nitrite | 8.07 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.72 | 15.42 | 17.64 | |
| Sulfate | 18.33 | 17.07 | 19.07 | |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/14/2013 4:10:00 PM |

Sample ID: CCV RunID: 113 Analysis Date: 10/23/2013 11:34:00 AM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.39 | 9.389999 | 11.41 | |
| Chloride | 6.41 | 6 | 6.78 | |
| Fluoride | 3.8 | 3.64 | 3.92 | |
| Nitrate | 12.14 | 10.98 | 13.36 | |
| Nitrite | 8 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.53 | 15.42 | 17.64 | |
| Sulfate | 18.25 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 125 Analysis Date: 10/23/2013 4:38:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.41 | 9.389999 | 11.41 | |
| Chloride | 6.41 | 6 | 6.78 | |
| Fluoride | 3.8 | 3.64 | 3.92 | |
| Nitrate | 12.16 | 10.98 | 13.36 | |
| Nitrite | 8.01 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.55 | 15.42 | 17.64 | |
| Sulfate | 18.23 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 135 Analysis Date: 10/23/2013 8:53:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.4 | 9.389999 | 11.41 | |
| Chloride | 6.41 | 6 | 6.78 | |
| Fluoride | 3.81 | 3.64 | 3.92 | |
| Nitrate | 12.15 | 10.98 | 13.36 | |
| Nitrite | 8.01 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.54 | 15.42 | 17.64 | |
| Sulfate | 18.25 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 139 Analysis Date: 10/24/2013 2:03:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.67 | 9.389999 | 11.41 | |
| Chloride | 6.53 | 6 | 6.78 | |
| Fluoride | 3.85 | 3.64 | 3.92 | |
| Nitrate | 12.46 | 10.98 | 13.36 | |
| Nitrite | 8.17 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.91 | 15.42 | 17.64 | |
| Sulfate | 18.37 | 17.07 | 19.07 | |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/14/2013 4:10:00 PM |

Sample ID: CCV RunID: 151 Analysis Date: 10/24/2013 9:08:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.67 | 9.389999 | 11.41 | |
| Chloride | 6.53 | 6 | 6.78 | |
| Fluoride | 3.85 | 3.64 | 3.92 | |
| Nitrate | 12.47 | 10.98 | 13.36 | |
| Nitrite | 8.18 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.94 | 15.42 | 17.64 | |
| Sulfate | 18.41 | 17.07 | 19.07 | |

Sample ID: CCV RunID: 154 Analysis Date: 10/24/2013 10:25:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.65 | 9.389999 | 11.41 | |
| Chloride | 6.52 | 6 | 6.78 | |
| Fluoride | 3.85 | 3.64 | 3.92 | |
| Nitrate | 12.44 | 10.98 | 13.36 | |
| Nitrite | 8.16 | 7.4 | 8.56 | |
| Phosphorus (Ortho) | 16.91 | 15.42 | 17.64 | |
| Sulfate | 18.38 | 17.07 | 19.07 | |

# LCS Recoveries

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BatchRunID/RunID:===>** | | | | 201310141520-142 | | 201310291041-13 | | | | | | |
| **QcBatchID:===>** | | | | LCSW-5066 | | LCSW-5067 | | | | | | |
| **Date/Time:===>** | | | | 10/24/13 16:29 | | 10/30/13 14:11 | | | | | | |
| **Analytical Method:===>** | | | | 300.0 rev2.1 | | 300.0 rev2.1 | | | | | | |
| **Matrix:===>** | | | | Aqueous | | Aqueous | | Soil | | Soil | | Soil |
| Analyte | 300.0 rev2. Amt | Limits | Amt | Limits | % Rec | Flags | % Rec | Flags | % Rec | Flags | % Rec | Flags | % Rec | Flags |
| Chloride | 5 | 90-110 | | | 105 | | 101 | | | | | | | |
| Nitrate | 5 | 90-110 | | | 98 | | 95 | | | | | | | |
| Sulfate | 5 | 90-110 | | | 112 | CwLw | 100 | | | | | | | |

# MS/MSD/DUP Recovery

3102406 0111

Prep Batch: W-5066 Sample ID: AC75324-004
Method: 300.0 rev2.1 Matrix Aqueous

| Qc Type: MS | | | | | | | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Limits Recov | Dil | MS Conc | Sam Conc | Recov | Flag | | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Chloride | 5 | 80-120 | 1 | 156.100 | 150.065 | 121 | Mw | | 20131014152 | 144 | 10/24/13 18:11 | 20131014152 | 143 | 10/24/13 17:45 |
| Nitrate | 5 | 80-120 | 1 | 4.95 | 0 | 99 | | | 20131014152 | 144 | 10/24/13 18:11 | 20131014152 | 143 | 10/24/13 17:45 |
| Sulfate | 5 | 80-120 | 1 | 29.406 | 23.1479 | 125 | Mw | | 20131014152 | 144 | 10/24/13 18:11 | 20131014152 | 143 | 10/24/13 17:45 |

| Qc Type: MSD | | | | | | | | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Limits Recov | Rpd | Dil | MS Conc | Sam Conc | Recov | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Chloride | 5 | 80-120 | 20 | 1 | 156.525 | 150.065 | 129 | 0.3 | MW | 20131014152 | 145 | 10/24/13 18:36 | 20131014152 | 143 | 10/24/13 17:45 |
| Nitrate | 5 | 80-120 | 20 | 1 | 5.0461 | 0 | 101 | 1.9 | | 20131014152 | 145 | 10/24/13 18:36 | 20131014152 | 143 | 10/24/13 17:45 |
| Sulfate | 5 | 80-120 | 20 | 1 | 29.1564 | 23.1479 | 120 | 0.9 | | 20131014152 | 145 | 10/24/13 18:36 | 20131014152 | 143 | 10/24/13 17:45 |

Prep Batch: W-5067 Sample ID: AC75362-002
Method: 300.0 rev2.1 Matrix Aqueous

| Qc Type: MS | | | | | | | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Limits Recov | Dil | MS Conc | Sam Conc | Recov | Flag | | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Chloride | 5 | 80-120 | 1 | 10.1968 | 6.5204 | 74 | Mw | | 20131029104 | 18 | 10/30/13 16:47 | 20131029104 | 17 | 10/30/13 15:56 |
| Nitrate | 5 | 80-120 | 1 | 4.6307 | 0 | 93 | | | 20131029104 | 18 | 10/30/13 16:47 | 20131029104 | 17 | 10/30/13 15:56 |
| Sulfate | 5 | 80-120 | 1 | 13.2875 | 8.4209 | 97 | | | 20131029104 | 18 | 10/30/13 16:47 | 20131029104 | 17 | 10/30/13 15:56 |

| Qc Type: MSD | | | | | | | | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Limits Recov | Rpd | Dil | MS Conc | Sam Conc | Recov | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Chloride | 5 | 80-120 | 20 | 1 | 10.2735 | 6.5204 | 75 | 0.7 | MW | 20131029104 | 19 | 10/30/13 17:12 | 20131029104 | 17 | 10/30/13 15:56 |
| Nitrate | 5 | 80-120 | 20 | 1 | 4.6845 | 0 | 94 | 1.2 | | 20131029104 | 19 | 10/30/13 17:12 | 20131029104 | 17 | 10/30/13 15:56 |
| Sulfate | 5 | 80-120 | 20 | 1 | 13.5324 | 8.4209 | 102 | 1.8 | | 20131029104 | 19 | 10/30/13 17:12 | 20131029104 | 17 | 10/30/13 15:56 |

# Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary  Prep Date: 10/28/13

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131028141 | 10/28/13 14:55 | MBW-836 | 12 | Cyanide | ND | 0.020 |

Qc Type: ICB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131028141 | 10/28/13 14:53 | CCB | 11 | Cyanide | ND | 0.020 |

Qc Type: CCB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131028141 | 10/28/13 15:18 | CCB | 23 | Cyanide | ND | 0.020 |
| 20131028141 | 10/28/13 15:43 | CCB | 35 | Cyanide | ND | 0.020 |

# Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 10/28/13

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131028141 | 10/28/13 14:55 | MBW-836 | 12 | Cyanide | ND | 0.020 |

Qc Type: ICB Summary Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131028141 | 10/28/13 14:53 | CCB | 11 | Cyanide | ND | 0.020 |

Qc Type: CCB Summary Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131028141 | 10/28/13 15:18 | CCB | 23 | Cyanide | ND | 0.020 |
| 20131028141 | 10/28/13 15:43 | CCB | 35 | Cyanide | ND | 0.020 |
| 20131028141 | 10/28/13 15:57 | CCB | 43 | Cyanide | ND | 0.020 |

# LCS Recoveries

| | | | | | | |
|---|---|---|---|---|---|---|
| **BatchRunID/RunID:====>** | 201310281414-13 | | | | | |
| **QcBatchID:====>** | LCSW-836 | | | | | |
| **Date/Time:====>** | 10/28/13 14:57 | | | | | |
| **Analytical Method:====>** | EPA 335.4 | | | | | |
| **Matrix:====>** | Aqueous | Soil | Soil | Soil | Soil | |
| | EPA 335.4 | | | | | |
| Analyte | **Amt Limits** | **Amt Limits** | % Rec Flags | % Rec Flags | % Rec Flags | % Rec Flags | % Rec Flags |
| Cyanide | 0.4 90-110 | | 91 | | | | |

# MS/MSD/DUP Recovery

3102406 0115

Prep Batch: W-836 Sample ID: AC75247-006
Method: EPA 335.4 Matrix: Aqueous

| Qc Type: DUP | Limits | | DUP | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Rpd | Dil | Conc | Conc | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 20 | 1 | 0 | 0 | NA | | 20131028141 | 16 | 10/28/13 15:03 | 20131028141 | 15 | 10/28/13 15:01 |

| Qc Type: MS | | Limits | | MS | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Dil | Conc | Conc | % Rec | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 0.4 | 75-125 | 1 | 0.3556 | 0 | 89 | | 20131028141 | 17 | 10/28/13 15:05 | 20131028141 | 15 | 10/28/13 15:01 |

| Qc Type: MSD | | Limits | | MSD | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Rpd | Dil | Conc | Conc | % Rec | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 0.4 | 75-125 | 20 | 1 | 0.3762 | 0 | 94 | 5.6 | | 20131028141 | 18 | 10/28/13 15:07 | 20131028141 | 15 | 10/28/13 15:01 |

# Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary  Prep Date: 10/29/13

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131029140 | 10/29/13 14:26 | MBW-837 | 11 | Cyanide | ND | 0.020 |

Qc Type: ICB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131029140 | 10/29/13 14:24 | CCB | 10 | Cyanide | ND | 0.020 |

Qc Type: CCB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131029140 | 10/29/13 14:49 | CCB | 22 | Cyanide | ND | 0.020 |
| 20131029140 | 10/29/13 15:15 | CCB | 34 | Cyanide | ND | 0.020 |
| 20131029140 | 10/29/13 15:29 | CCB | 42 | Cyanide | ND | 0.020 |
| 20131029140 | 10/29/13 15:45 | CCB | 44 | Cyanide | ND | 0.020 |
| 20131029140 | 10/29/13 15:51 | CCB | 48 | Cyanide | ND | 0.020 |

# LCS Recoveries

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **BatchRunID/RunID:===>** | | | 201310291405-12 | | | | | | | |
| **QcBatchID:===>** | | | LCSW-837 | | | | | | | |
| **Date/Time:===>** | | | 10/29/13 14:29 | | | | | | | |
| **Analytical Method:===>** | | | EPA 335.4 | | | | | | | |
| **Matrix:===>** | | | Aqueous | | Soil | | Soil | | Soil | |
| Analyte | EPA 335.4 Amt | Limits | Amt | Limits | % Rec | Flags | % Rec | Flags | % Rec | Flags | % Rec | Flags | % Rec | Flags |
| Cyanide | 0.4 | 90-110 | | | 90 | | | | | | | | | |

# MS/MSD/DUP Recovery

3102406 0118

Prep Batch: W-837 Sample ID: AC75362-002
Method: EPA 335.4 Matrix: Aqueous

| Qc Type: DUP | Limits | | | DUP | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Rpd | Dil | | Conc | Conc | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 20 | 1 | | 0 | 0 | NA | | 20131029140 | 15 | 10/29/13 14:35 | 20131029140 | 14 | 10/29/13 14:33 |

| Qc Type: MS | | Limits | | | MS | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | | Dil | Conc | Conc | % Rec | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 0.4 | 75-125 | | 1 | 0.3971 | 0 | 99 | | 20131029140 | 16 | 10/29/13 14:37 | 20131029140 | 14 | 10/29/13 14:33 |

| Qc Type: MSD | | Limits | | | MSD | Sample | | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Rpd | Dil | Conc | Conc | % Rec | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 0.4 | 75-125 | 20 | 1 | 0.3742 | 0 | 94 | 5.9 | | 20131029140 | 17 | 10/29/13 14:39 | 20131029140 | 14 | 10/29/13 14:33 |

3102406 0119

**Analysis Type:** ALKAL-M

**Batch Number:** ALKAL-M-373

**Units:** mg CaCO3/l

## Calibration Curve Information

## Qc Summary Results

| Qc Type | Qc Name | SpkAmt | Rec Lim | Rpd Lim | Raw Result | Recov | Rpd | Flags |
|---|---|---|---|---|---|---|---|---|
| DUP | AC75172-003 | 0 | NA | 20 | 78.240085 | NA | 1.3 | |
| LCS | LCS | 100 | 75-125 | NA | 99.57829 | 100 | NA | |
| LCSD | LCSD | 100 | 75-125 | 20 | 99.57829 | 100 | 0 | |

**Analytical Method(s)**

**SM2320B-97**

| Sam # | Type | MB | Result | RL | Per Sol | Full Result | ml h2so4 | h2so4 (N) | Sam Vol (ml) | Prep Date | Prep By | Anal Date | Anal By |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MB-1-10/29/13 | MB | MB-1-10/29/13 | ND | 10 | 100 | 6.0966 | 0.30 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| LCS | LCS | MB-1-10/29/13 | 100 | 10 | 100 | 99.578 | 4.90 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| LCSD | LCSD | MB-1-10/29/13 | 100 | 10 | 100 | 99.578 | 4.90 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-003 | DUP | MB-1-10/29/13 | 78 | 10 | 100 | 78.24 | 3.85 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-002 | Sample | MB-1-10/29/13 | ND | 10 | 100 | 8.1288 | 0.40 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-003 | Sample | MB-1-10/29/13 | 79 | 10 | 100 | 79.256 | 3.90 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-004 | Sample | MB-1-10/29/13 | 140 | 10 | 100 | 135.14 | 6.65 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-005 | Sample | MB-1-10/29/13 | 62 | 10 | 100 | 61.982 | 3.05 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75324-004 | Sample | MB-1-10/29/13 | 190 | 10 | 100 | 190.01 | 9.35 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75324-012 | Sample | MB-1-10/29/13 | 290 | 10 | 100 | 293.65 | 14.45 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |

10/30/13

JW 10/30/13

**Flag Codes:** Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL)
Rp - RPD failed specified criteria.
Na - Not Applicable
Nc - Not Checked ..either one or both values =ND

3102406 0120

**Analysis Type:** ALKAL-P

**Batch Number:** ALKAL-P-39

**Units:** mg CaCO3/l

## Calibration Curve Information

## Qc Summary Results

| Qc Type | Qc Name | SpkAmt | Rec Lim | Rpd Lim | Raw Result | Recov | Rpd | Flags |
|---|---|---|---|---|---|---|---|---|
| DUP | AC75172-003 | 0 | NA | 20 | 0 | NA | NA | Nc |
| LCS | LCS | 100 | 75-125 | NA | 92.465555 | 92 | NA | |
| LCSD | LCSD | 100 | 75-125 | 20 | 90.433345 | 90 | 2.2 | |

**Analytical Method(s)**

**SM2320B-97**

| Sam # | Type | MB | Result | RL | Per Sol | Full Result | ml h2so4 | h2so4 (N) | Sam Vol (ml) | Prep Date | Prep By | Anal Date | Anal By |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MB-1-10/29/13 | MB | MB-1-10/29/13 | ND | 10 | 100 | 0 | 0 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| LCS | LCS | MB-1-10/29/13 | 92 | 10 | 100 | 92.466 | 4.55 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| LCSD | LCSD | MB-1-10/29/13 | 90 | 10 | 100 | 90.433 | 4.45 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-003 | DUP | MB-1-10/29/13 | ND | 10 | 100 | 0 | 0 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-002 | Sample | MB-1-10/29/13 | ND | 10 | 100 | 0 | 0 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-003 | Sample | MB-1-10/29/13 | ND | 10 | 100 | 0 | 0 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-004 | Sample | MB-1-10/29/13 | ND | 10 | 100 | 0 | 0 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75172-005 | Sample | MB-1-10/29/13 | ND | 10 | 100 | 0 | 0 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75324-004 | Sample | MB-1-10/29/13 | ND | 10 | 100 | 0 | 0 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |
| AC75324-012 | Sample | MB-1-10/29/13 | ND | 10 | 100 | 0 | 0 | 0.020322 | 50 | 10/29/13 | JW | 10/29/13 | JW |

BA 10/30/13

JW 10/30/13

**Flag Codes:** Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL) Rp - RPD failed specified criteria.

Na - Not Applicable Nc - Not Checked ..either one or both values =ND

**Carbonate / Bicarbonate**

| | Analysis | Carbonate / Bicarbonate | | | Q.C. DATA | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Batch# | 39 | | | | | | Limits | Flags |
| | Date | 10/29/2013 | | | LCS RPD | | | | |
| | Analyst | JW | | | LCS | 99.58 | RPD | | |
| | | | | | LCSD | 99.58 | 0.0 | 20 | |
| | | | | | | | | | |
| | | | | | Carbonate RPD | | | | |
| | | Titrant Result | Carbonate | Bicarbonate | Sample | 0.00 | RPD | | |
| | | P = 0 | 0 | M | Sample Dup | 0.00 | NA | 20 | |
| | | P < (1/2) M | 2P | M-2P | | | | | |
| | | P = (1/2) M | 2P | 0 | | | | | |
| | | P > (1/2) M | 2 (M-P) | 0 | Bicarbonate RPD | | | | |
| | | P = M | 0 | 0 | Sample | 79.26 | RPD | | |
| | | | | | Sample Dup | 78.24 | 1.29 | 20 | |

| | Samples # | M-Alkalinity (Total) | P-Alkalinity | Carbonate CO3-2 as mg CaCO3/L | Bicarbonate HCO3 as mg CaCO3/L | RL | | % Recovery 75-125% | |
|---|---|---|---|---|---|---|---|---|---|
| | MB | 6.0966 | 0.00 | 0.00 | 6.0966 | 10 | | | |
| | LCS | 99.578 | 92.466 | 14.22 | 0.00 | 10 | | 100 | |
| | LCSD | 99.578 | 90.433 | 18.29 | 0.00 | 10 | | 100 | |
| DUP | AC75172-003 | 78.24 | 0.00 | 0.00 | 78.24 | 10 | | | |
| | AC75172-002 | 8.1288 | 0.00 | 0.00 | 8.1288 | 10 | | | |
| QC Sample | AC75172-003 | 79.256 | 0.00 | 0.00 | 79.256 | 10 | | | |
| | AC75172-004 | 135.14 | 0.00 | 0.00 | 135.14 | 10 | | | |
| | AC75172-005 | 61.982 | 0.00 | 0.00 | 61.982 | 10 | | | |
| | AC75324-004 | 190.01 | 0.00 | 0.00 | 190.01 | 10 | | | |
| | AC75324-012 | 293.65 | 0.00 | 0.00 | 293.65 | 10 | | | |

AM 10/30/13

* Recovery is outside specified QC limits



JW 10/30/13

HC·V
HAMPTONCLARKE·VERITECH

Last Page of Report

HC·V
HAMPTONCLARKE·VERITECH

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

# Project: NYSDOT-Harrison

**Client PO:** Not Available

**Report To:** HDR
One Blue Hill Plaza
P.O. Box 1509
Pearl River, NY 10965

Attn: Melissa LaMaccha

**Received Date:** 10/25/2013

**Report Date:** 11/22/2013

**Deliverables:** NYDOH-CatA

**Lab ID:** AC75362

**Lab Project No:** 3102513



**Robin Cousineau - Quality Assurance Director** OR **Stanley Gilewicz - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

NELAP ACCREDITED TNI LABORATORY

THIS CATEGORY “A” REPORT
IS NUMBERED FROM
1 to 179

# HCV Case Narrative

**Client:** HDR **HCV Project:** 3102513
**Project:** NYSDOT-Harrison

**Hampton-Clarke/Veritech (HC·V) received the following samples on October 25, 2013:**

| Client ID | HCV Sample ID | Matrix | Analysis |
|---|---|---|---|
| TB-10242013 | AC75362-001 | Aqueous | VO (624) |
| SW-15-10242013 | AC75362-002 | Aqueous | VO (624), BNA (625), Metals (200.7/8, 245.1), Chloride (300.0), Cyanide (EPA 335.4) |
| SW-4-10242013 | AC75362-003 | Aqueous | VO (624), BNA (625), Metals (200.7/8, 245.1), Chloride (300.0), Cyanide (EPA 335.4) |
| SD-4-10242013 | AC75362-004 | Sediment | VO (8260C), BNA (8270D), Metals (6010C/6020A/7471B), Chloride (9056A), Cyanide (9012B) |
| SW-2-10242013 | AC75362-005 | Aqueous | VO (624), BNA (625), Metals (200.7/8, 245.1), Chloride (300.0), Cyanide (EPA 335.4) |
| SD-2-10242013 | AC75362-006 | Sediment | VO (8260C), BNA (8270D), Metals (6010C/6020A/7471B), Chloride (9056A), Cyanide (9012B) |
| SD-3-10242013 | AC75362-007 | Sediment | VO (8260C), BNA (8270D), Metals (6010C/6020A/7471B), Chloride (9056A), Cyanide (9012B) |
| SW-1-10242013 | AC75362-008 | Aqueous | VO (624), BNA (625), Metals (200.7/8, 245.1), Chloride (300.0), Cyanide (EPA 335.4) |
| SD-1-10242013 | AC75362-009 | Sediment | VO (8260C), BNA (8270D), Metals (6010C/6020A/7471B), Chloride (9056A), Cyanide (9012B) |
| FB-10242013 | AC75362-010 | Aqueous | VO (624), BNA (625), Metals (200.7/8, 245.1), Chloride (300.0), Cyanide (EPA 335.4) |

## Volatile Organic Analysis:

2-Chloroethylvinylether did not recover in the Matrix Spike and Matrix Spike Duplicate in batch 31288 due to acid preservation of sample. 2-Chloroethylvinylether readily decomposes under acidic conditions. The recovery of 2-Chloroethylvinylether is within QC limits in the Laboratory Control Sample (MBS).

## Base Neutral/Acid Extractable Analysis:

Samples AC75362-003, 005, 008, 010, WMB29081 and MS had surrogate recoveries outside QC limits, but the recoveries are greater than 10%, therefore, no corrective action was necessary.

The Matrix Spike and/or Matrix Spike/Matrix Spike Duplicate RPD for batches 29081 and 29131 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

## Metals Analysis:

The serial dilution for batch 27365 is outside QC limits for one or more analytes, suggesting matrix interference.

The Matrix Spike and Matrix Spike Duplicate for batch 27357 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary. Also, the RPD between the QC sample and the Method Replicate had recoveries outside QC limits. The RPD criteria were met between the LCS/LCS Method Replicate. In addition, the serial dilution is outside QC limits for one or more analytes, suggesting matrix interference.

The Matrix Spike, Matrix Spike Duplicate, and Post Spike for batch 27358 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary. Also, the RPD between the LCS and LCSMR had recoveries outside QC limits. In addition, the serial dilution is outside QC limits for one or more analytes, suggesting matrix interference.

**Wet Chemistry Analysis:**

The Matrix Spike and Matrix Spike Duplicate for batches 1118 and 5067-Chloride recovered outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

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

Robin Cousineau
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

11/26/2013
Date

3102513 0003


HamptonClarke-Veritech Laboratories
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056


HC-V HamptonClarke Veritech Laboratories
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124

# CHAIN OF CUSTODY RECORD

3102513 Page 1 of 1

## 3) Reporting Requirements (Please Circle)

| Turnaround | Report Type | Electronic Deliv. |
|---|---|---|
| 24 Hours (100%) | Data Summary | Hazsite/CSV |
| 48 Hours (75%) | Waste | EQuIS 4-File / EZ / NYS |
| 72 Hours (50%) | Red - NJ / NY / PA | EQuIS EPA Region 2 or 5 |
| 4 Days (35%; TPH) | CLP | Excel - NJ Regulatory |
| 1 Week (25%; EPH) | Full / Category B | Excel - NY Regulatory |
| 10 Days (10%) | Category A | Excel - PA Regulatory |
| 2 Weeks | Other: | PDF |
| Other: | | Other: |

Expedited TAT Not Always Available. Please Check with Lab.

## Customer Information

1a) Customer: HDR Engineering Inc.
Address: 1 Blue Hill Plz, 12th Floor
Pearl River, NY 10965
1b) Email/Cell/Fax/Ph: (845) 735-8300
1c) Send Invoice to: Melissa LaMacchia
1d) Send Report to: "

## Project Information

2a) Project: NYSDOT - Harrison
2b) Project Mgr: M. LaMacchia
2c) Project Location (City/State): Harrison, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓

Batch # AC75362

Check If Contingent ===>

**Matrix Codes**
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

## 7) Analysis Request

<=== Check If Contingent

| Lab Sample # | 4) Customer Sample ID | 5) Matrix | 6) Sample Date | 6) Sample Time | Sample Type: Composite (C) | Sample Type: Grab (G) | TCL VOC | TCL SVOC | TAL Metals | CN | Chlor. de | 8) # of Bottles: None | MeOH | En Core | NaOH | HCl | H2SO4 | HNO3 | Other: | 9) Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -001 | TB - 10242013 | BL | 10/24/13 | 0955 | | X | X | | | | | | | | | 3 | | | | |
| -002 | SW-15-10242013 | ~~GW~~ SW | 10/24/13 | 1000 | | X | X | X | X | X | X | 111 | | | 1 | 3 | | 1 | | |
| -003 | SW-4-10242013 | SW | 10/24/13 | 1100 | | X | X | X | X | X | X | 111 | | | 1 | 3 | | 1 | | |
| -004 | SD-4-10242013 | S | 10/24/13 | 1110 | | X | X | X | X | X | X | 2 | | 1 | | | | | | |
| -005 | SW-2-10242013 | SW | 10/24/13 | 1200 | | X | X | X | X | X | X | 111 | | | 1 | 3 | | 1 | | |
| -006 | SD-2-10242013 | S | 10/24/13 | 1210 | | X | X | X | X | X | X | 2 | | 1 | | | | | | |
| -007 | SD-3-10242013 | S | 10/24/13 | 1230 | | X | X | X | X | X | X | 2 | | 1 | | | | | | |
| -008 | SW-1-10242013 | SW | 10/24/13 | 1300 | | X | X | X | X | X | X | 111 | | | 1 | 3 | | 1 | | |
| -009 | SD-1-10242013 | S | 10/24/13 | 1310 | | X | X | X | X | X | X | 2 | | 1 | | | | | | |
| -010 | FB-10242013 | BL | 10/24/13 | 1330 | | X | X | X | X | X | X | 111 | | | 1 | 3 | | 1 | | |

| 10) Relinquished by: | Accepted by: | Date | Time |
|---|---|---|---|
| A Wadden | Paul A. Moccia | 10/24/13 | 1445 |
| Paul A. Moccia | | 10/25/13 | 1120 |
| | | 10/25 | 1210 |

Additional Notes

**Comments, Notes, Special Requirements, HAZARDS**

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 2.8, 3.1

11) Sampler (print name): Andrew Wadden Date: 10/24/13

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

# PROJECT MODIFICATIONS

**Client:** HDR/LMS **HCV Project #:** 3102513

**Project:** NYSDOT-Harrison

---

maureen192.168.1.87
11/22/2013 11:48:29 AM

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Deliverables are a NYDOH-Cat A per quote. MS 11/22/13

# CONDITION UPON RECEIPT

Batch Number AC75362 Entered By: VINCENT

Date Entered 10/25/2013 12:50:00 PM

| | | |
|---|---|---|
| 1 | Yes | Is there a corresponding COC included with the samples? |
| 2 | Yes | Are the samples in a container such as a cooler or Ice chest? |
| 3 | Yes | Are the COC seals intact? |
| 4 | Yes | Please specify the Temperature inside the container (in degC)<br>2.8,3.1 |
| 5 | Yes | Are the samples refrigerated (where required)/have they arrived on ice? |
| 6 | Yes | Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples: |
| 7 | Yes | Are all of the sample bottles intact? If no, specify sample numbers broken/leaking |
| 8 | Yes | Are all of the sample labels or numbers legible? If no specify: |
| 9 | Yes | Do the contents match the COC? If no, specify |
| 10 | Yes | Is there enough sample sent for the analyses listed on the COC? If no, specify: |
| 11 | Yes | Are samples preserved correctly? |
| 12 | Yes | Was temperature blank present (Place comment below if not)? If not was temperature of samples verified? |
| 13 | NA | Other comments ...Specify |
| 14 | NA | Corrective actions (Specify item number and corrective action taken). |

# PRESERVATION DOCUMENT

Batch Number AC75362

Entered By: VINCENT

Date Entered 10/25/2013 12:51:00 PM

| Lab#: | Container Siz | Container Typ | Parameter | Preservative | PH |
|---|---|---|---|---|---|
| AC75362-001 | 40ML | G | VO | HCL | 1 |
| AC75362-002 | 40ML | G | VO | HCL | 1 |
| AC75362-002 | 1L | P | METALS | HNO3 | 1 |
| AC75362-002 | 500ML | G | CN | NAOH | 14 |
| AC75362-003 | 40ML | G | VO | HCL | 1 |
| AC75362-003 | 1L | P | METALS | HNO3 | 1 |
| AC75362-003 | 500ML | G | CN | NAOH | 14 |
| AC75362-004 | NA | NA | NA | NA | NA |
| AC75362-005 | 40ML | G | VO | HCL | 1 |
| AC75362-005 | 1L | P | METALS | HNO3 | 1 |
| AC75362-005 | 500ML | G | CN | NAOH | 14 |
| AC75362-006 | NA | NA | NA | NA | NA |
| AC75362-007 | NA | NA | NA | NA | NA |
| AC75362-008 | 40ML | G | VO | HCL | 1 |
| AC75362-008 | 1L | P | METALS | HNO3 | 1 |
| AC75362-008 | 500ML | G | CN | NAOH | 14 |
| AC75362-009 | NA | NA | NA | NA | NA |
| AC75362-010 | 40ML | G | VO | HCL | 1 |
| AC75362-010 | 1L | P | METALS | HNO3 | 1 |
| AC75362-010 | 500ML | G | CN | NAOH | 14 |

# Internal Chain of Custody

| Lab#: | DateTime: | Loc or User | Bot Nu | A/M | Analysis |
|---|---|---|---|---|---|
| AC75362-001 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-001 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-001 | 10/25/13 19:05 | R31 | 1 | A | NONE |
| AC75362-001 | 10/25/13 19:05 | R31 | 2 | A | NONE |
| AC75362-001 | 10/29/13 09:39 | WP | 2 | A | voa |
| AC75362-001 | 10/25/13 19:05 | R31 | 3 | A | NONE |
| AC75362-002 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-002 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-002 | 10/25/13 19:05 | R31 | 1 | A | NONE |
| AC75362-002 | 10/25/13 19:05 | R31 | 2 | A | NONE |
| AC75362-002 | 10/29/13 17:07 | WP | 2 | A | VOA |
| AC75362-002 | 10/25/13 19:05 | R31 | 3 | A | NONE |
| AC75362-002 | 10/30/13 15:27 | JW | 4 | A | IC |
| AC75362-002 | 10/30/13 16:29 | R12 | 4 | A | NONE |
| AC75362-002 | 10/29/13 09:12 | ANTH | 5 | A | cn-w |
| AC75362-002 | 10/29/13 12:57 | R12 | 5 | A | NONE |
| AC75362-002 | 10/31/13 11:05 | SRB | 6 | A | tdsw-hg |
| AC75362-002 | 10/31/13 12:15 | R12 | 6 | A | NONE |
| AC75362-002 | 10/30/13 15:32 | JESSI | 7 | A | bna |
| AC75362-002 | 10/30/13 18:28 | R12 | 7 | A | NONE |
| AC75362-002 | 10/30/13 15:32 | JESSI | 8 | A | bna |
| AC75362-003 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-003 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-003 | 10/25/13 19:05 | R31 | 1 | A | NONE |
| AC75362-003 | 10/25/13 19:05 | R31 | 2 | A | NONE |
| AC75362-003 | 10/29/13 17:07 | WP | 2 | A | VOA |
| AC75362-003 | 10/25/13 19:05 | R31 | 3 | A | NONE |
| AC75362-003 | 10/30/13 15:27 | JW | 4 | A | IC |
| AC75362-003 | 10/30/13 16:29 | R12 | 4 | A | NONE |
| AC75362-003 | 10/29/13 09:12 | ANTH | 5 | A | cn-w |
| AC75362-003 | 10/29/13 12:57 | R12 | 5 | A | NONE |
| AC75362-003 | 10/31/13 11:05 | SRB | 6 | A | tdsw-hg |
| AC75362-003 | 10/31/13 12:15 | R12 | 6 | A | NONE |
| AC75362-003 | 10/30/13 15:32 | JESSI | 8 | A | bna |
| AC75362-004 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-004 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-004 | 10/25/13 22:32 | PA | 2 | A | mixing |
| AC75362-004 | 10/25/13 22:32 | R12 | 2 | A | NONE |
| AC75362-004 | 10/28/13 08:23 | BCT | 2 | A | % SOLIDS |
| AC75362-004 | 10/28/13 10:27 | JW | 2 | A | IC |
| AC75362-004 | 10/28/13 11:14 | R12 | 2 | A | NONE |
| AC75362-004 | 10/30/13 10:00 | AM | 2 | A | tdsi/hg |
| AC75362-004 | 10/30/13 10:01 | AM | 2 | A | r12 |
| AC75362-004 | 10/31/13 10:47 | AF | 2 | A | cn s |
| AC75362-004 | 11/04/13 10:42 | MSL | 2 | A | bn |
| AC75362-004 | 11/04/13 14:07 | R12 | 2 | A | NONE |
| AC75362-004 | 10/25/13 16:07 | R31 | 4 | A | NONE |
| AC75362-004 | 10/28/13 11:14 | WP | 4 | M | VOA |
| AC75362-004 | 10/28/13 16:15 | R31 | 4 | A | NONE |
| AC75362-004 | 10/25/13 16:08 | F18 | 5 | A | none |
| AC75362-004 | 10/25/13 16:08 | F18 | 6 | A | none |
| AC75362-004 | 10/29/13 16:04 | WP | 6 | A | VOA |
| AC75362-004 | 10/25/13 16:08 | F18 | 7 | A | none |
| AC75362-004 | 10/25/13 16:08 | F18 | 8 | A | none |
| AC75362-005 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-005 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-005 | 10/25/13 19:05 | R31 | 1 | A | NONE |
| AC75362-005 | 10/25/13 19:05 | R31 | 2 | A | NONE |
| AC75362-005 | 10/29/13 17:07 | WP | 2 | A | VOA |
| AC75362-005 | 10/25/13 19:05 | R31 | 3 | A | NONE |
| AC75362-005 | 10/30/13 15:27 | JW | 4 | A | IC |
| AC75362-005 | 10/30/13 16:29 | R12 | 4 | A | NONE |
| AC75362-005 | 10/29/13 09:12 | ANTH | 5 | A | cn-w |
| AC75362-005 | 10/29/13 12:57 | R12 | 5 | A | NONE |
| AC75362-005 | 10/31/13 11:05 | SRB | 6 | A | tdsw-hg |
| AC75362-005 | 10/31/13 12:15 | R12 | 6 | A | NONE |
| AC75362-005 | 10/30/13 15:32 | JESSI | 8 | A | bna |
| AC75362-006 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-006 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-006 | 10/25/13 22:32 | R12 | 2 | A | NONE |
| AC75362-006 | 10/25/13 22:32 | PA | 2 | A | mixing |
| AC75362-006 | 10/28/13 08:23 | BCT | 2 | A | % SOLIDS |
| AC75362-006 | 10/28/13 10:27 | JW | 2 | A | IC |
| AC75362-006 | 10/28/13 11:14 | R12 | 2 | A | NONE |
| AC75362-006 | 10/30/13 10:00 | AM | 2 | A | tdsi/hg |
| AC75362-006 | 10/30/13 10:01 | AM | 2 | A | r12 |
| AC75362-006 | 10/31/13 10:47 | AF | 2 | A | cn s |
| AC75362-006 | 11/04/13 10:42 | MSL | 2 | A | bn |
| AC75362-006 | 11/04/13 14:07 | R12 | 2 | A | NONE |
| AC75362-006 | 10/25/13 16:07 | R31 | 4 | A | NONE |
| AC75362-006 | 10/28/13 11:14 | WP | 4 | M | VOA |
| AC75362-006 | 10/28/13 16:15 | R31 | 4 | A | NONE |
| AC75362-006 | 10/25/13 16:08 | F18 | 5 | A | none |
| AC75362-006 | 10/25/13 16:08 | F18 | 6 | A | none |
| AC75362-006 | 10/29/13 16:04 | WP | 6 | A | VOA |
| AC75362-006 | 10/25/13 16:08 | F18 | 7 | A | none |
| AC75362-006 | 10/25/13 16:08 | F18 | 8 | A | none |
| AC75362-007 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-007 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-007 | 10/25/13 22:32 | PA | 2 | A | mixing |
| AC75362-007 | 10/25/13 22:32 | R12 | 2 | A | NONE |
| AC75362-007 | 10/28/13 08:23 | BCT | 2 | A | % SOLIDS |
| AC75362-007 | 10/28/13 10:27 | JW | 2 | A | IC |
| AC75362-007 | 10/28/13 11:14 | R12 | 2 | A | NONE |
| AC75362-007 | 10/30/13 10:00 | AM | 2 | A | tdsi/hg |
| AC75362-007 | 10/30/13 10:01 | AM | 2 | A | r12 |
| AC75362-007 | 10/31/13 10:47 | AF | 2 | A | cn s |
| AC75362-007 | 11/04/13 10:42 | MSL | 2 | A | bn |
| AC75362-007 | 11/04/13 14:07 | R12 | 2 | A | NONE |
| AC75362-007 | 10/25/13 16:07 | R31 | 4 | A | NONE |
| AC75362-007 | 10/28/13 11:14 | WP | 4 | M | VOA |
| AC75362-007 | 10/28/13 16:15 | R31 | 4 | A | NONE |
| AC75362-007 | 10/25/13 16:08 | F18 | 5 | A | none |
| AC75362-007 | 10/25/13 16:08 | F18 | 6 | A | none |
| AC75362-007 | 10/29/13 16:04 | WP | 6 | A | VOA |
| AC75362-007 | 10/25/13 16:08 | F18 | 7 | A | none |
| AC75362-007 | 10/25/13 16:08 | F18 | 8 | A | none |
| AC75362-008 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-008 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-008 | 10/25/13 19:05 | R31 | 1 | A | NONE |
| AC75362-008 | 10/25/13 19:05 | R31 | 2 | A | NONE |
| AC75362-008 | 10/29/13 17:07 | WP | 2 | A | VOA |
| AC75362-008 | 10/25/13 19:05 | R31 | 3 | A | NONE |
| AC75362-008 | 10/30/13 15:27 | JW | 4 | A | IC |
| AC75362-008 | 10/30/13 16:29 | R12 | 4 | A | NONE |
| AC75362-008 | 10/29/13 09:12 | ANTH | 5 | A | cn-w |
| AC75362-008 | 10/29/13 12:57 | R12 | 5 | A | NONE |
| AC75362-008 | 10/31/13 11:05 | SRB | 6 | A | tdsw-hg |
| AC75362-008 | 10/31/13 12:15 | R12 | 6 | A | NONE |
| AC75362-008 | 10/30/13 15:32 | JESSI | 8 | A | bna |
| AC75362-009 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-009 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-009 | 10/25/13 22:32 | PA | 2 | A | mixing |
| AC75362-009 | 10/25/13 22:32 | R12 | 2 | A | NONE |
| AC75362-009 | 10/28/13 08:23 | BCT | 2 | A | % SOLIDS |
| AC75362-009 | 10/28/13 10:27 | JW | 2 | A | IC |
| AC75362-009 | 10/28/13 11:14 | R12 | 2 | A | NONE |
| AC75362-009 | 10/30/13 10:00 | AM | 2 | A | tdsi/hg |
| AC75362-009 | 10/30/13 10:01 | AM | 2 | A | r12 |
| AC75362-009 | 10/31/13 10:47 | AF | 2 | A | cn s |
| AC75362-009 | 11/04/13 10:42 | MSL | 2 | A | bn |
| AC75362-009 | 11/04/13 14:07 | R12 | 2 | A | NONE |
| AC75362-009 | 10/25/13 16:07 | R31 | 4 | A | NONE |
| AC75362-009 | 10/28/13 11:14 | WP | 4 | M | VOA |
| AC75362-009 | 10/28/13 16:15 | R31 | 4 | A | NONE |
| AC75362-009 | 10/25/13 16:08 | F18 | 5 | A | none |
| AC75362-009 | 10/29/13 16:04 | WP | 5 | A | VOA |
| AC75362-009 | 10/25/13 16:08 | F18 | 6 | A | none |
| AC75362-009 | 10/25/13 16:08 | F18 | 7 | A | none |
| AC75362-009 | 10/25/13 16:08 | F18 | 8 | A | none |
| AC75362-010 | 10/25/13 12:10 | VINCE | 0 | M | Received |
| AC75362-010 | 10/25/13 12:49 | VINCE | 0 | M | Login |
| AC75362-010 | 10/25/13 19:05 | R31 | 1 | A | NONE |
| AC75362-010 | 10/25/13 19:05 | R31 | 2 | A | NONE |
| AC75362-010 | 10/29/13 09:39 | WP | 2 | A | voa |
| AC75362-010 | 10/25/13 19:05 | R31 | 3 | A | NONE |
| AC75362-010 | 10/30/13 15:27 | JW | 4 | A | IC |
| AC75362-010 | 10/30/13 16:29 | R12 | 4 | A | NONE |
| AC75362-010 | 10/29/13 09:12 | ANTH | 5 | A | cn-w |
| AC75362-010 | 10/29/13 12:57 | R12 | 5 | A | NONE |

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

# Internal Chain of Custody

| Lab#: | DateTime: | Loc or User | Bot Nu | A/M | Analysis |
|---|---|---|---|---|---|
| AC75362-010 | 10/31/13 11:05 | SRB | 6 | A | tdsw-hg |
| AC75362-010 | 10/31/13 12:15 | R12 | 6 | A | NONE |
| AC75362-010 | 10/30/13 15:32 | JESSI | 7 | A | bna |

| Lab#: | DateTime: | Loc or User | Bot Nu | A/M | Analysis |
|---|---|---|---|---|---|

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

# Laboratory Chronicle

**Client:** HDR
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102513

**Lab#: AC75362-001** **Sample ID: TB-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/29/13 11:00 | SG |

**Lab#: AC75362-002** **Sample ID: SW-15-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 15:56 | Janee |
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/29/13 | Anthony | EPA 335.4 | 10/29/13 14:33 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 10/31/13 | sean | 245.1 rev3.0 | 11/2/13 15:14 | OA |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | jessica | EPA 625 | 10/31/13 09:42 | AHD/JB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 11:41 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 17:07 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 10/31/13 | sean | EPA 200.8 | 11/4/13 13:13 | GK |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/30/13 00:38 | SG |

**Lab#: AC75362-003** **Sample ID: SW-4-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 14:40 | Janee |
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/29/13 | Anthony | EPA 335.4 | 10/29/13 14:43 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 10/31/13 | sean | 245.1 rev3.0 | 11/2/13 15:27 | OA |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | jessica | EPA 625 | 11/1/13 11:53 | AHD/JB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 12:27 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 17:40 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 10/31/13 | sean | EPA 200.8 | 11/4/13 13:47 | GK |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/30/13 00:53 | SG |

# Laboratory Chronicle

**Client:** HDR
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102513

**Lab#: AC75362-004** **Sample ID: SD-4-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| % Solids SM2540G | | | | SM 2540G | 10/28/13 00:00 | hossain |
| Chloride (Soil) 9056A | | 10/28/13 | Janee | EPA 9056A | 10/28/13 13:29 | Janee |
| Cyanide (Soil/Waste) 9012B | EPA 9012B | 11/01/13 | beena | EPA 9012B | 11/3/13 19:55 | af |
| Mercury (Soil/Waste) 7471A | EPA 7471B | 10/30/13 | aadewusi | EPA 7471B | 11/1/13 13:53 | OA |
| Semivolatile Organics + 25 (8270) | 3510C/3550C | 11/04/13 | marie | EPA 8270D | 11/5/13 12:56 | AHD/JB |
| TAL Metals 6010 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6010C | 10/31/13 14:03 | OA |
| TAL Metals 6010 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6010C | 11/1/13 14:39 | OA |
| TAL Metals 6020 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6020A | 10/31/13 12:23 | PC |
| Volatile Organics + 10 (8260) | EPA5030/5035 | | | EPA 8260C | 10/29/13 16:36 | SG |

**Lab#: AC75362-005** **Sample ID: SW-2-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 15:05 | Janee |
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/29/13 | Anthony | EPA 335.4 | 10/29/13 14:45 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 10/31/13 | sean | 245.1 rev3.0 | 11/2/13 15:29 | OA |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | jessica | EPA 625 | 10/31/13 15:37 | AHD/JB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 12:31 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 17:43 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 10/31/13 | sean | EPA 200.8 | 11/4/13 13:51 | GK |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/30/13 01:09 | SG |

**Lab#: AC75362-006** **Sample ID: SD-2-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| % Solids SM2540G | | | | SM 2540G | 10/28/13 00:00 | hossain |
| Chloride (Soil) 9056A | | 10/28/13 | Janee | EPA 9056A | 10/28/13 13:51 | Janee |
| Cyanide (Soil/Waste) 9012B | EPA 9012B | 11/01/13 | beena | EPA 9012B | 11/3/13 19:57 | af |
| Mercury (Soil/Waste) 7471A | EPA 7471B | 10/30/13 | aadewusi | EPA 7471B | 11/1/13 13:58 | OA |
| Semivolatile Organics + 25 (8270) | 3510C/3550C | 11/04/13 | marie | EPA 8270D | 11/5/13 12:34 | AHD/JB |
| TAL Metals 6010 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6010C | 11/1/13 14:42 | OA |
| TAL Metals 6010 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6010C | 10/31/13 14:07 | OA |
| TAL Metals 6020 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6020A | 10/31/13 12:29 | PC |
| Volatile Organics + 10 (8260) | EPA5030/5035 | | | EPA 8260C | 10/29/13 16:52 | SG |

# Laboratory Chronicle

**Client:** HDR
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102513

**Lab#: AC75362-007** **Sample ID: SD-3-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| % Solids SM2540G | | | | SM 2540G | 10/28/13 00:00 | hossain |
| Chloride (Soil) 9056A | | 10/28/13 | Janee | EPA 9056A | 10/28/13 14:12 | Janee |
| Cyanide (Soil/Waste) 9012B | EPA 9012B | 11/01/13 | beena | EPA 9012B | 11/3/13 19:59 | af |
| Mercury (Soil/Waste) 7471A | EPA 7471B | 10/30/13 | aadewusi | EPA 7471B | 11/1/13 13:59 | OA |
| Semivolatile Organics + 25 (8270) | 3510C/3550C | 11/04/13 | marie | EPA 8270D | 11/5/13 13:19 | AHD/JB |
| TAL Metals 6010 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6010C | 10/31/13 14:10 | OA |
| TAL Metals 6010 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6010C | 11/1/13 14:44 | OA |
| TAL Metals 6020 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6020A | 10/31/13 12:35 | PC |
| Volatile Organics + 10 (8260) | EPA5030/5035 | | | EPA 8260C | 10/29/13 17:09 | SG |

**Lab#: AC75362-008** **Sample ID: SW-1-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 15:30 | Janee |
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/29/13 | Anthony | EPA 335.4 | 10/29/13 14:52 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 10/31/13 | sean | 245.1 rev3.0 | 11/2/13 15:30 | OA |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | jessica | EPA 625 | 10/31/13 16:00 | AHD/JB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 17:45 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 12:35 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 10/31/13 | sean | EPA 200.8 | 11/4/13 13:54 | GK |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/30/13 01:24 | SG |

**Lab#: AC75362-009** **Sample ID: SD-1-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| % Solids SM2540G | | | | SM 2540G | 10/28/13 00:00 | hossain |
| Chloride (Soil) 9056A | | 10/28/13 | Janee | EPA 9056A | 10/28/13 14:34 | Janee |
| Cyanide (Soil/Waste) 9012B | EPA 9012B | 11/01/13 | beena | EPA 9012B | 11/3/13 20:01 | af |
| Mercury (Soil/Waste) 7471A | EPA 7471B | 10/30/13 | aadewusi | EPA 7471B | 11/1/13 14:01 | OA |
| Semivolatile Organics + 25 (8270) | 3510C/3550C | 11/04/13 | marie | EPA 8270D | 11/5/13 12:11 | AHD/JB |
| TAL Metals 6010 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6010C | 10/31/13 14:15 | OA |
| TAL Metals 6010 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6010C | 11/1/13 14:47 | OA |
| TAL Metals 6020 | 3005&10/3050 | 10/30/13 | aadewusi | EPA 6020A | 10/31/13 12:41 | PC |
| Volatile Organics + 10 (8260) | EPA5030/5035 | | | EPA 8260C | 10/29/13 17:25 | SG |

# Laboratory Chronicle

**Client:** HDR

**HCV Project #:** 3102513

**Project:** NYSDOT-Harrison

**Lab#: AC75362-010** **Sample ID: FB-10242013**

| Test Code | Prep Method | Prep Date | By | Analytical Method | Analysis Date | By |
|---|---|---|---|---|---|---|
| Chloride (Water) 300.0 | | 10/30/13 | Janee | 300.0 rev2.1 | 10/30/13 17:38 | Janee |
| Cyanide-Water (EPA 335.4) | EPA 335.4 | 10/29/13 | Anthony | EPA 335.4 | 10/29/13 14:54 | af |
| Mercury (Water) 245.1 | 245.1 rev3.0 | 10/31/13 | sean | 245.1 rev3.0 | 11/2/13 15:31 | OA |
| Semivolatile Organics + 25 (625) | EPA 625 | 10/30/13 | jessica | EPA 625 | 10/31/13 16:23 | AHD/JB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 12:57 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 14:59 | SRB |
| TAL Metals 200.7 | EPA 200.2 | 10/31/13 | sean | EPA 200.7 | 11/1/13 18:01 | SRB |
| TAL Metals 200.8 | EPA 200.2 | 10/31/13 | sean | EPA 200.8 | 11/4/13 13:58 | GK |
| Volatile Organics + 10 (624) | EPA 624 | | | EPA 624 | 10/29/13 10:44 | SG |

# HCV Reporting Limit Definitions/Data Qualifiers

## REPORTING DEFINITIONS

**DF =** Dilution Factor

**MDL =** Method Detection Limit

**RL* =** Reporting Limit

**ND =** Not Detected

**RT =** Retention Time

**NA =** Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

## DATA QUALIFIERS

**B-** Indicates analyte was present in the Method Blank and sample.

**d-** For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

**E-** Indicates the concentration exceeded the upper calibration range of the instrument.

**J-** Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

# HCV Report Of Analysis

**Client:** HDR
**Project:** NYSDOT-Harrison

**HCV Project #:** 3102513

**Sample ID:** TB-10242013
**Lab#:** AC75362-001
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |

**Sample ID:** TB-10242013
**Lab#:** AC75362-001
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

| | | | | |
|---|---|---|---|---|
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** SW-15-10242013
**Lab#:** AC75362-002
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

### Chloride (Water) 300.0

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Chloride** | **1** | **mg/l** | **2.0** | **6.5** |

### Cyanide-Water (EPA 335.4)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

### Mercury (Water) 245.1

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

### Semivolatile Organics + 25 (625)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.0 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.0 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.50 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.0 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Methylphenol | 1 | ug/l | 0.50 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.0 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.50 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.0 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.0 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.50 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.0 | ND |
| Acenaphthene | 1 | ug/l | 2.0 | ND |
| Acenaphthylene | 1 | ug/l | 2.0 | ND |
| Acetophenone | 1 | ug/l | 2.0 | ND |
| Anthracene | 1 | ug/l | 2.0 | ND |
| Atrazine | 1 | ug/l | 2.0 | ND |
| Benzaldehyde | 1 | ug/l | 2.0 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.50 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.0 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.0 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.0 | ND |
| Caprolactam | 1 | ug/l | 2.0 | ND |

**Sample ID: SW-15-10242013** **Collection Date: 10/24/2013**
**Lab#: AC75362-002** **Receipt Date: 10/25/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| Carbazole | 1 | ug/l | 2.0 | ND |
| Chrysene | 1 | ug/l | 2.0 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND |
| Dibenzofuran | 1 | ug/l | 0.50 | ND |
| Diethylphthalate | 1 | ug/l | 2.0 | ND |
| Dimethylphthalate | 1 | ug/l | 2.0 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.50 | ND |
| Di-n-octylphthalate | 1 | ug/l | 2.0 | ND |
| Fluoranthene | 1 | ug/l | 2.0 | ND |
| Fluorene | 1 | ug/l | 2.0 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.0 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.0 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 2.0 | ND |
| Hexachloroethane | 1 | ug/l | 2.0 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND |
| Isophorone | 1 | ug/l | 2.0 | ND |
| Naphthalene | 1 | ug/l | 0.50 | ND |
| Nitrobenzene | 1 | ug/l | 2.0 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.50 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.0 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.0 | ND |
| Phenol | 1 | ug/l | 2.0 | ND |
| Pyrene | 1 | ug/l | 2.0 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **Hexatriacontane** | **1** | **ug/l** | **11.22** | **5.9J** |
| **Eicosane** | **1** | **ug/l** | **13.35** | **8.3J** |
| **Nonadecane** | **1** | **ug/l** | **15.55** | **4.1J** |
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.16** | **15JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **33J** |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| Barium | 1 | ug/l | 25 | ND |
| **Calcium** | **1** | **ug/l** | **1000** | **43000** |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| **Iron** | **1** | **ug/l** | **150** | **250** |
| **Magnesium** | **1** | **ug/l** | **1000** | **14000** |
| **Manganese** | **1** | **ug/l** | **25** | **200** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **2800** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **9500** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |

**Sample ID:** SW-15-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-002 **Receipt Date:** 10/25/2013
**Matrix:** Aqueous

| | | | | |
|---|---|---|---|---|
| Lead | 1 | ug/l | 0.75 | ND |
| Thallium | 1 | ug/l | 1.5 | ND |

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |

**Sample ID:** SW-15-10242013
**Lab#:** AC75362-002
**Matrix:** Aqueous
**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

| | | | | |
|---|---|---|---|---|
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** SW-4-10242013
**Lab#:** AC75362-003
**Matrix:** Aqueous
**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

### Chloride (Water) 300.0

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Chloride | 1 | mg/l | 2.0 | 6.5 |

### Cyanide-Water (EPA 335.4)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

### Mercury (Water) 245.1

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

### Semivolatile Organics + 25 (625)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.0 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.0 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.51 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.0 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Methylphenol | 1 | ug/l | 0.51 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.0 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.51 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.0 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.0 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.51 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.0 | ND |
| Acenaphthene | 1 | ug/l | 2.0 | ND |
| Acenaphthylene | 1 | ug/l | 2.0 | ND |
| Acetophenone | 1 | ug/l | 2.0 | ND |
| Anthracene | 1 | ug/l | 2.0 | ND |
| Atrazine | 1 | ug/l | 2.0 | ND |
| Benzaldehyde | 1 | ug/l | 2.0 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.51 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.0 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.0 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.0 | ND |
| Caprolactam | 1 | ug/l | 2.0 | ND |

**Sample ID:** SW-4-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-003 **Receipt Date:** 10/25/2013
**Matrix:** Aqueous

| | | | | |
|---|---|---|---|---|
| Carbazole | 1 | ug/l | 2.0 | ND |
| Chrysene | 1 | ug/l | 2.0 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND |
| Dibenzofuran | 1 | ug/l | 0.51 | ND |
| Diethylphthalate | 1 | ug/l | 2.0 | ND |
| Dimethylphthalate | 1 | ug/l | 2.0 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.51 | ND |
| Di-n-octylphthalate | 1 | ug/l | 2.0 | ND |
| Fluoranthene | 1 | ug/l | 2.0 | ND |
| Fluorene | 1 | ug/l | 2.0 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.0 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.0 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 2.0 | ND |
| Hexachloroethane | 1 | ug/l | 2.0 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND |
| Isophorone | 1 | ug/l | 2.0 | ND |
| Naphthalene | 1 | ug/l | 0.51 | ND |
| Nitrobenzene | 1 | ug/l | 2.0 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.51 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.0 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.0 | ND |
| Phenol | 1 | ug/l | 2.0 | ND |
| Pyrene | 1 | ug/l | 2.0 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.16** | **9.5JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **9.5J** |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| Barium | 1 | ug/l | 25 | ND |
| **Calcium** | **1** | **ug/l** | **1000** | **44000** |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| **Iron** | **1** | **ug/l** | **150** | **300** |
| **Magnesium** | **1** | **ug/l** | **1000** | **14000** |
| **Manganese** | **1** | **ug/l** | **25** | **230** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **2900** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **10000** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| Lead | 1 | ug/l | 0.75 | ND |
| Thallium | 1 | ug/l | 1.5 | ND |

**Sample ID:** SW-4-10242013
**Lab#:** AC75362-003
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Sample ID:** SW-4-10242013
**Lab#:** AC75362-003
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** SD-4-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-004 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

### % Solids SM2540G

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| % Solids | 1 | percent | | 61 |

### Chloride (Soil) 9056A

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Chloride | 1 | mg/kg | 33 | ND |

### Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/kg | 0.39 | ND |

### Mercury (Soil/Waste) 7471A

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | mg/kg | 0.14 | ND |

### Semivolatile Organics + 25 (8270)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | mg/kg | 0.11 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | mg/kg | 0.11 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | mg/kg | 0.11 | ND |
| 2,4,5-Trichlorophenol | 1 | mg/kg | 0.11 | ND |
| 2,4,6-Trichlorophenol | 1 | mg/kg | 0.11 | ND |
| 2,4-Dichlorophenol | 1 | mg/kg | 0.027 | ND |
| 2,4-Dimethylphenol | 1 | mg/kg | 0.027 | ND |
| 2,4-Dinitrophenol | 1 | mg/kg | 0.55 | ND |
| 2,4-Dinitrotoluene | 1 | mg/kg | 0.11 | ND |
| 2,6-Dinitrotoluene | 1 | mg/kg | 0.11 | ND |
| 2-Chloronaphthalene | 1 | mg/kg | 0.11 | ND |
| 2-Chlorophenol | 1 | mg/kg | 0.11 | ND |
| 2-Methylnaphthalene | 1 | mg/kg | 0.11 | ND |
| 2-Methylphenol | 1 | mg/kg | 0.027 | ND |
| 2-Nitroaniline | 1 | mg/kg | 0.11 | ND |
| 2-Nitrophenol | 1 | mg/kg | 0.11 | ND |
| 3&4-Methylphenol | 1 | mg/kg | 0.027 | ND |
| 3,3'-Dichlorobenzidine | 1 | mg/kg | 0.11 | ND |
| 3-Nitroaniline | 1 | mg/kg | 0.11 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | mg/kg | 0.55 | ND |
| 4-Bromophenyl-phenylether | 1 | mg/kg | 0.11 | ND |
| 4-Chloro-3-methylphenol | 1 | mg/kg | 0.11 | ND |
| 4-Chloroaniline | 1 | mg/kg | 0.052 | ND |
| 4-Chlorophenyl-phenylether | 1 | mg/kg | 0.11 | ND |
| 4-Nitroaniline | 1 | mg/kg | 0.11 | ND |
| 4-Nitrophenol | 1 | mg/kg | 0.11 | ND |
| Acenaphthene | 1 | mg/kg | 0.11 | ND |
| Acenaphthylene | 1 | mg/kg | 0.11 | ND |
| Acetophenone | 1 | mg/kg | 0.11 | ND |
| Anthracene | 1 | mg/kg | 0.11 | ND |
| Atrazine | 1 | mg/kg | 0.11 | ND |
| Benzaldehyde | 1 | mg/kg | 0.11 | ND |
| Benzo[a]anthracene | 1 | mg/kg | 0.11 | ND |
| Benzo[a]pyrene | 1 | mg/kg | 0.11 | ND |
| **Benzo[b]fluoranthene** | **1** | **mg/kg** | **0.11** | **0.13** |
| Benzo[g,h,i]perylene | 1 | mg/kg | 0.11 | ND |
| Benzo[k]fluoranthene | 1 | mg/kg | 0.11 | ND |
| bis(2-Chloroethoxy)methane | 1 | mg/kg | 0.11 | ND |
| bis(2-Chloroethyl)ether | 1 | mg/kg | 0.027 | ND |

**Sample ID: SD-4-10242013** **Collection Date: 10/24/2013**
**Lab#: AC75362-004** **Receipt Date: 10/25/2013**
**Matrix: Sediment/Encore**

| | | | | |
|---|---|---|---|---|
| bis(2-Chloroisopropyl)ether | 1 | mg/kg | 0.11 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | mg/kg | 0.11 | ND |
| Butylbenzylphthalate | 1 | mg/kg | 0.11 | ND |
| Caprolactam | 1 | mg/kg | 0.11 | ND |
| Carbazole | 1 | mg/kg | 0.11 | ND |
| Chrysene | 1 | mg/kg | 0.11 | ND |
| Dibenzo[a,h]anthracene | 1 | mg/kg | 0.11 | ND |
| Dibenzofuran | 1 | mg/kg | 0.027 | ND |
| Diethylphthalate | 1 | mg/kg | 0.11 | ND |
| Dimethylphthalate | 1 | mg/kg | 0.11 | ND |
| Di-n-butylphthalate | 1 | mg/kg | 0.055 | ND |
| Di-n-octylphthalate | 1 | mg/kg | 0.11 | ND |
| **Fluoranthene** | **1** | **mg/kg** | **0.11** | **0.14** |
| Fluorene | 1 | mg/kg | 0.11 | ND |
| Hexachlorobenzene | 1 | mg/kg | 0.11 | ND |
| Hexachlorobutadiene | 1 | mg/kg | 0.11 | ND |
| Hexachlorocyclopentadiene | 1 | mg/kg | 0.11 | ND |
| Hexachloroethane | 1 | mg/kg | 0.11 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | mg/kg | 0.11 | ND |
| Isophorone | 1 | mg/kg | 0.11 | ND |
| Naphthalene | 1 | mg/kg | 0.027 | ND |
| Nitrobenzene | 1 | mg/kg | 0.11 | ND |
| N-Nitroso-di-n-propylamine | 1 | mg/kg | 0.027 | ND |
| N-Nitrosodiphenylamine | 1 | mg/kg | 0.11 | ND |
| Pentachlorophenol | 1 | mg/kg | 0.55 | ND |
| Phenanthrene | 1 | mg/kg | 0.11 | ND |
| Phenol | 1 | mg/kg | 0.11 | ND |
| **Pyrene** | **1** | **mg/kg** | **0.11** | **0.16** |

**Semivolatile Organics + 25 (8270) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **unknown** | **1** | **mg/kg** | **12.67** | **0.57J** |
| **Heptacosane** | **1** | **mg/kg** | **13.05** | **0.80J** |
| **Nonacosane** | **1** | **mg/kg** | **13.79** | **1.6J** |
| **Cyclopentane, undecyl-** | **1** | **mg/kg** | **13.83** | **0.46J** |
| **Octadecanal** | **1** | **mg/kg** | **14.31** | **0.71J** |
| **Heptadecane, 2,6,10,15-tetramethyl-** | **1** | **mg/kg** | **14.51** | **0.59J** |
| **Vitamin E** | **1** | **mg/kg** | **14.7** | **1.1J** |
| **Cholest-5-en-3-ol (3.beta.)-** | **1** | **mg/kg** | **14.78** | **0.47J** |
| **Hexadecanal** | **1** | **mg/kg** | **15.13** | **0.51J** |
| **unknown** | **1** | **mg/kg** | **15.36** | **0.67J** |
| **Stigmast-5-en-3-ol, (3.beta.,24S)-** | **1** | **mg/kg** | **15.67** | **5.6J** |
| **unknown** | **1** | **mg/kg** | **15.75** | **0.43J** |
| **3-Chloro-4'-methoxybiphenyl** | **1** | **mg/kg** | **15.79** | **1.3J** |
| **5.ALPHA.-STIGMAST-3-ONE** | **1** | **mg/kg** | **15.94** | **0.90J** |
| **.beta.-Amyrin** | **1** | **mg/kg** | **15.98** | **2.8J** |
| **Eremophilene** | **1** | **mg/kg** | **16.05** | **1.8J** |
| **unknown** | **1** | **mg/kg** | **4.16** | **1.5JB** |
| **2-Pentanone, 4-hydroxy-4-methyl-** | **1** | **mg/kg** | **4.4** | **140JAB** |
| **Hexadecanoic acid** | **1** | **mg/kg** | **9.97** | **0.59J** |
| **TotalSemiVolatileTic** | **1** | **mg/kg** | **NA** | **160J** |

**TAL Metals 6010**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Aluminum** | **1** | **mg/kg** | **330** | **5300** |
| Arsenic | 1 | mg/kg | 6.6 | ND |
| **Barium** | **1** | **mg/kg** | **16** | **53** |

**Sample ID:** SD-4-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-004 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

| | | | | |
|---|---|---|---|---|
| **Calcium** | **1** | **mg/kg** | **1600** | **15000** |
| **Chromium** | **1** | **mg/kg** | **8.2** | **11** |
| **Cobalt** | **1** | **mg/kg** | **4.1** | **6.1** |
| **Copper** | **1** | **mg/kg** | **8.2** | **12** |
| **Iron** | **1** | **mg/kg** | **330** | **16000** |
| **Lead** | **1** | **mg/kg** | **8.2** | **20** |
| **Magnesium** | **1** | **mg/kg** | **820** | **9900** |
| **Manganese** | **1** | **mg/kg** | **16** | **1500** |
| **Nickel** | **1** | **mg/kg** | **8.2** | **13** |
| **Potassium** | **1** | **mg/kg** | **820** | **910** |
| Sodium | 1 | mg/kg | 410 | ND |
| Thallium | 1 | mg/kg | 2.5 | ND |
| Vanadium | 1 | mg/kg | 16 | ND |
| **Zinc** | **1** | **mg/kg** | **16** | **50** |

**TAL Metals 6020**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | mg/kg | 0.33 | ND |
| Beryllium | 1 | mg/kg | 0.33 | ND |
| Cadmium | 1 | mg/kg | 0.66 | ND |
| Selenium | 1 | mg/kg | 3.3 | ND |
| Silver | 1 | mg/kg | 0.33 | ND |

**Volatile Organics + 10 (8260)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1.11 | mg/kg | 0.0036 | ND |
| 1,1,2,2-Tetrachloroethane | 1.11 | mg/kg | 0.0036 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.11 | mg/kg | 0.0036 | ND |
| 1,1,2-Trichloroethane | 1.11 | mg/kg | 0.0036 | ND |
| 1,1-Dichloroethane | 1.11 | mg/kg | 0.0036 | ND |
| 1,1-Dichloroethene | 1.11 | mg/kg | 0.0036 | ND |
| 1,2,3-Trichlorobenzene | 1.11 | mg/kg | 0.0036 | ND |
| 1,2,4-Trichlorobenzene | 1.11 | mg/kg | 0.0036 | ND |
| 1,2-Dibromo-3-chloropropane | 1.11 | mg/kg | 0.0036 | ND |
| 1,2-Dibromoethane | 1.11 | mg/kg | 0.0036 | ND |
| 1,2-Dichlorobenzene | 1.11 | mg/kg | 0.0036 | ND |
| 1,2-Dichloroethane | 1.11 | mg/kg | 0.0018 | ND |
| 1,2-Dichloropropane | 1.11 | mg/kg | 0.0036 | ND |
| 1,3-Dichlorobenzene | 1.11 | mg/kg | 0.0036 | ND |
| 1,4-Dichlorobenzene | 1.11 | mg/kg | 0.0036 | ND |
| 1,4-Dioxane | 1.11 | mg/kg | 0.18 | ND |
| 2-Butanone | 1.11 | mg/kg | 0.0036 | ND |
| 2-Hexanone | 1.11 | mg/kg | 0.0036 | ND |
| 4-Methyl-2-pentanone | 1.11 | mg/kg | 0.0036 | ND |
| Acetone | 1.11 | mg/kg | 0.018 | ND |
| Benzene | 1.11 | mg/kg | 0.0018 | ND |
| Bromochloromethane | 1.11 | mg/kg | 0.0036 | ND |
| Bromodichloromethane | 1.11 | mg/kg | 0.0036 | ND |
| Bromoform | 1.11 | mg/kg | 0.0036 | ND |
| Bromomethane | 1.11 | mg/kg | 0.0036 | ND |
| Carbon disulfide | 1.11 | mg/kg | 0.0036 | ND |
| Carbon tetrachloride | 1.11 | mg/kg | 0.0036 | ND |
| Chlorobenzene | 1.11 | mg/kg | 0.0036 | ND |
| Chloroethane | 1.11 | mg/kg | 0.0036 | ND |
| Chloroform | 1.11 | mg/kg | 0.0036 | ND |
| Chloromethane | 1.11 | mg/kg | 0.0036 | ND |
| cis-1,2-Dichloroethene | 1.11 | mg/kg | 0.0036 | ND |

**Sample ID:** SD-4-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-004 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

| | | | | |
|---|---|---|---|---|
| cis-1,3-Dichloropropene | 1.11 | mg/kg | 0.0036 | ND |
| Cyclohexane | 1.11 | mg/kg | 0.0036 | ND |
| Dibromochloromethane | 1.11 | mg/kg | 0.0036 | ND |
| Dichlorodifluoromethane | 1.11 | mg/kg | 0.0036 | ND |
| Ethylbenzene | 1.11 | mg/kg | 0.0018 | ND |
| Isopropylbenzene | 1.11 | mg/kg | 0.0018 | ND |
| m&p-Xylenes | 1.11 | mg/kg | 0.0018 | ND |
| Methyl Acetate | 1.11 | mg/kg | 0.0036 | ND |
| Methylcyclohexane | 1.11 | mg/kg | 0.0036 | ND |
| Methylene chloride | 1.11 | mg/kg | 0.0036 | ND |
| Methyl-t-butyl ether | 1.11 | mg/kg | 0.0018 | ND |
| o-Xylene | 1.11 | mg/kg | 0.0018 | ND |
| Styrene | 1.11 | mg/kg | 0.0036 | ND |
| Tetrachloroethene | 1.11 | mg/kg | 0.0036 | ND |
| Toluene | 1.11 | mg/kg | 0.0018 | ND |
| trans-1,2-Dichloroethene | 1.11 | mg/kg | 0.0036 | ND |
| trans-1,3-Dichloropropene | 1.11 | mg/kg | 0.0036 | ND |
| Trichloroethene | 1.11 | mg/kg | 0.0036 | ND |
| Trichlorofluoromethane | 1.11 | mg/kg | 0.0036 | ND |
| Vinyl chloride | 1.11 | mg/kg | 0.0036 | ND |
| Xylenes (Total) | 1.11 | mg/kg | 0.0018 | ND |

**Volatile Organics + 10 (8260) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **unknown** | **1.11** | **mg/kg** | **7.59** | **0.021JB** |
| **unknown** | **1.11** | **mg/kg** | **9.28** | **0.022JB** |
| **unknown** | **1.11** | **mg/kg** | **9.33** | **0.012JB** |
| **TotalVolatileTic** | **1.11** | **mg/kg** | **NA** | **0.055J** |

**Sample ID:** SW-2-10242013
**Lab#:** AC75362-005
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

### Chloride (Water) 300.0

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Chloride** | **1** | **mg/l** | **2.0** | **6.6** |

### Cyanide-Water (EPA 335.4)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

### Mercury (Water) 245.1

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

### Semivolatile Organics + 25 (625)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.0 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.0 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.50 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.0 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Methylphenol | 1 | ug/l | 0.50 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.0 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.50 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.0 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.0 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.50 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.0 | ND |
| Acenaphthene | 1 | ug/l | 2.0 | ND |
| Acenaphthylene | 1 | ug/l | 2.0 | ND |
| Acetophenone | 1 | ug/l | 2.0 | ND |
| Anthracene | 1 | ug/l | 2.0 | ND |
| Atrazine | 1 | ug/l | 2.0 | ND |
| Benzaldehyde | 1 | ug/l | 2.0 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.50 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.0 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.0 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.0 | ND |
| Caprolactam | 1 | ug/l | 2.0 | ND |

**Sample ID: SW-2-10242013** **Collection Date: 10/24/2013**
**Lab#: AC75362-005** **Receipt Date: 10/25/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| Carbazole | 1 | ug/l | 2.0 | ND |
| Chrysene | 1 | ug/l | 2.0 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND |
| Dibenzofuran | 1 | ug/l | 0.50 | ND |
| Diethylphthalate | 1 | ug/l | 2.0 | ND |
| Dimethylphthalate | 1 | ug/l | 2.0 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.50 | ND |
| Di-n-octylphthalate | 1 | ug/l | 2.0 | ND |
| Fluoranthene | 1 | ug/l | 2.0 | ND |
| Fluorene | 1 | ug/l | 2.0 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.0 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.0 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 10 | ND |
| Hexachloroethane | 1 | ug/l | 2.0 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND |
| Isophorone | 1 | ug/l | 2.0 | ND |
| Naphthalene | 1 | ug/l | 0.50 | ND |
| Nitrobenzene | 1 | ug/l | 2.0 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.50 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.0 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.0 | ND |
| Phenol | 1 | ug/l | 2.0 | ND |
| Pyrene | 1 | ug/l | 2.0 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.14** | **9.8JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **9.8J** |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| Barium | 1 | ug/l | 25 | ND |
| **Calcium** | **1** | **ug/l** | **1000** | **43000** |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| **Iron** | **1** | **ug/l** | **150** | **520** |
| **Magnesium** | **1** | **ug/l** | **1000** | **14000** |
| **Manganese** | **1** | **ug/l** | **25** | **340** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **3000** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **9700** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| **Lead** | **1** | **ug/l** | **0.75** | **1.9** |
| Thallium | 1 | ug/l | 1.5 | ND |

**Sample ID:** SW-2-10242013
**Lab#:** AC75362-005
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Sample ID:** SW-2-10242013
**Lab#:** AC75362-005
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** SD-2-10242013
**Lab#:** AC75362-006
**Matrix:** Sediment/Encore

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

### % Solids SM2540G

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| % Solids | 1 | percent | | 74 |

### Chloride (Soil) 9056A

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Chloride | 1 | mg/kg | 27 | ND |

### Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/kg | 0.32 | ND |

### Mercury (Soil/Waste) 7471A

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | mg/kg | 0.11 | ND |

### Semivolatile Organics + 25 (8270)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | mg/kg | 0.045 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | mg/kg | 0.045 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | mg/kg | 0.045 | ND |
| 2,4,5-Trichlorophenol | 1 | mg/kg | 0.045 | ND |
| 2,4,6-Trichlorophenol | 1 | mg/kg | 0.045 | ND |
| 2,4-Dichlorophenol | 1 | mg/kg | 0.011 | ND |
| 2,4-Dimethylphenol | 1 | mg/kg | 0.011 | ND |
| 2,4-Dinitrophenol | 1 | mg/kg | 0.23 | ND |
| 2,4-Dinitrotoluene | 1 | mg/kg | 0.045 | ND |
| 2,6-Dinitrotoluene | 1 | mg/kg | 0.045 | ND |
| 2-Chloronaphthalene | 1 | mg/kg | 0.045 | ND |
| 2-Chlorophenol | 1 | mg/kg | 0.045 | ND |
| 2-Methylnaphthalene | 1 | mg/kg | 0.045 | ND |
| 2-Methylphenol | 1 | mg/kg | 0.011 | ND |
| 2-Nitroaniline | 1 | mg/kg | 0.045 | ND |
| 2-Nitrophenol | 1 | mg/kg | 0.045 | ND |
| 3&4-Methylphenol | 1 | mg/kg | 0.011 | ND |
| 3,3'-Dichlorobenzidine | 1 | mg/kg | 0.045 | ND |
| 3-Nitroaniline | 1 | mg/kg | 0.045 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | mg/kg | 0.23 | ND |
| 4-Bromophenyl-phenylether | 1 | mg/kg | 0.045 | ND |
| 4-Chloro-3-methylphenol | 1 | mg/kg | 0.045 | ND |
| 4-Chloroaniline | 1 | mg/kg | 0.021 | ND |
| 4-Chlorophenyl-phenylether | 1 | mg/kg | 0.045 | ND |
| 4-Nitroaniline | 1 | mg/kg | 0.045 | ND |
| 4-Nitrophenol | 1 | mg/kg | 0.045 | ND |
| Acenaphthene | 1 | mg/kg | 0.045 | ND |
| Acenaphthylene | 1 | mg/kg | 0.045 | ND |
| Acetophenone | 1 | mg/kg | 0.045 | ND |
| Anthracene | 1 | mg/kg | 0.045 | ND |
| Atrazine | 1 | mg/kg | 0.045 | ND |
| Benzaldehyde | 1 | mg/kg | 0.045 | ND |
| Benzo[a]anthracene | 1 | mg/kg | 0.045 | ND |
| Benzo[a]pyrene | 1 | mg/kg | 0.045 | ND |
| Benzo[b]fluoranthene | 1 | mg/kg | 0.045 | ND |
| Benzo[g,h,i]perylene | 1 | mg/kg | 0.045 | ND |
| Benzo[k]fluoranthene | 1 | mg/kg | 0.045 | ND |
| bis(2-Chloroethoxy)methane | 1 | mg/kg | 0.045 | ND |
| bis(2-Chloroethyl)ether | 1 | mg/kg | 0.011 | ND |

**Sample ID:** SD-2-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-006 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

| | | | | |
|---|---|---|---|---|
| bis(2-Chloroisopropyl)ether | 1 | mg/kg | 0.045 | ND |
| **bis(2-Ethylhexyl)phthalate** | **1** | **mg/kg** | **0.045** | **0.055** |
| Butylbenzylphthalate | 1 | mg/kg | 0.045 | ND |
| Caprolactam | 1 | mg/kg | 0.045 | ND |
| Carbazole | 1 | mg/kg | 0.045 | ND |
| Chrysene | 1 | mg/kg | 0.045 | ND |
| Dibenzo[a,h]anthracene | 1 | mg/kg | 0.045 | ND |
| Dibenzofuran | 1 | mg/kg | 0.011 | ND |
| Diethylphthalate | 1 | mg/kg | 0.045 | ND |
| Dimethylphthalate | 1 | mg/kg | 0.045 | ND |
| **Di-n-butylphthalate** | **1** | **mg/kg** | **0.023** | **0.023** |
| Di-n-octylphthalate | 1 | mg/kg | 0.045 | ND |
| Fluoranthene | 1 | mg/kg | 0.045 | ND |
| Fluorene | 1 | mg/kg | 0.045 | ND |
| Hexachlorobenzene | 1 | mg/kg | 0.045 | ND |
| Hexachlorobutadiene | 1 | mg/kg | 0.045 | ND |
| Hexachlorocyclopentadiene | 1 | mg/kg | 0.045 | ND |
| Hexachloroethane | 1 | mg/kg | 0.045 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | mg/kg | 0.045 | ND |
| Isophorone | 1 | mg/kg | 0.045 | ND |
| Naphthalene | 1 | mg/kg | 0.011 | ND |
| Nitrobenzene | 1 | mg/kg | 0.045 | ND |
| N-Nitroso-di-n-propylamine | 1 | mg/kg | 0.011 | ND |
| N-Nitrosodiphenylamine | 1 | mg/kg | 0.045 | ND |
| Pentachlorophenol | 1 | mg/kg | 0.23 | ND |
| Phenanthrene | 1 | mg/kg | 0.045 | ND |
| Phenol | 1 | mg/kg | 0.045 | ND |
| Pyrene | 1 | mg/kg | 0.045 | ND |

**Semivolatile Organics + 25 (8270) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **2-Hexadecen-1-ol, 3,7,11,15-tetramethyl** | **1** | **mg/kg** | **11.09** | **0.31J** |
| **unknown** | **1** | **mg/kg** | **12.71** | **0.28J** |
| **Heptacosane** | **1** | **mg/kg** | **13.05** | **0.78J** |
| **Cyclopentane, 1-pentyl-2-propyl-** | **1** | **mg/kg** | **13.4** | **0.28J** |
| **Octadecanal** | **1** | **mg/kg** | **13.56** | **0.36J** |
| **Nonacosane** | **1** | **mg/kg** | **13.77** | **0.84J** |
| **Octadecanal** | **1** | **mg/kg** | **14.29** | **0.32J** |
| **unknown** | **1** | **mg/kg** | **14.57** | **0.40J** |
| **Vitamin E** | **1** | **mg/kg** | **14.67** | **0.45J** |
| **Cholest-5-en-3-ol (3.beta.)-** | **1** | **mg/kg** | **14.76** | **0.28J** |
| **Stigmast-5-en-3-ol, (3.beta.,24S)-** | **1** | **mg/kg** | **15.64** | **1.2J** |
| **unknown** | **1** | **mg/kg** | **15.76** | **0.33J** |
| **5.ALPHA.-STIGMAST-3-ONE** | **1** | **mg/kg** | **15.91** | **0.25J** |
| **Olean-12-ene** | **1** | **mg/kg** | **16.03** | **0.32J** |
| **unknown** | **1** | **mg/kg** | **3.54** | **0.27J** |
| **unknown** | **1** | **mg/kg** | **4.18** | **1.2JB** |
| **2-Pentanone, 4-hydroxy-4-methyl-** | **1** | **mg/kg** | **4.43** | **110JAB** |
| **unknown** | **1** | **mg/kg** | **4.92** | **0.26JB** |
| **2-Propanol, 1-butoxy-** | **1** | **mg/kg** | **5.08** | **0.24JB** |
| **1,2,3-Propanetriol, triacetate** | **1** | **mg/kg** | **7.1** | **0.52J** |
| **TotalSemiVolatileTic** | **1** | **mg/kg** | **NA** | **120J** |

**TAL Metals 6010**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Aluminum** | **1** | **mg/kg** | **270** | **5900** |
| Arsenic | 1 | mg/kg | 5.4 | ND |

**Sample ID:** SD-2-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-006 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

| | | | | |
|---|---|---|---|---|
| **Barium** | **1** | **mg/kg** | **14** | **87** |
| **Calcium** | **1** | **mg/kg** | **1400** | **31000** |
| **Chromium** | **1** | **mg/kg** | **6.8** | **7.8** |
| **Cobalt** | **1** | **mg/kg** | **3.4** | **6.2** |
| **Copper** | **1** | **mg/kg** | **6.8** | **13** |
| **Iron** | **1** | **mg/kg** | **270** | **20000** |
| **Lead** | **1** | **mg/kg** | **6.8** | **12** |
| **Magnesium** | **1** | **mg/kg** | **680** | **20000** |
| **Manganese** | **1** | **mg/kg** | **14** | **2500** |
| **Nickel** | **1** | **mg/kg** | **6.8** | **11** |
| **Potassium** | **1** | **mg/kg** | **680** | **990** |
| Sodium | 1 | mg/kg | 340 | ND |
| Thallium | 1 | mg/kg | 2.0 | ND |
| **Vanadium** | **1** | **mg/kg** | **14** | **16** |
| **Zinc** | **1** | **mg/kg** | **14** | **52** |

**TAL Metals 6020**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | mg/kg | 0.27 | ND |
| Beryllium | 1 | mg/kg | 0.27 | ND |
| Cadmium | 1 | mg/kg | 0.54 | ND |
| Selenium | 1 | mg/kg | 2.7 | ND |
| Silver | 1 | mg/kg | 0.27 | ND |

**Volatile Organics + 10 (8260)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | mg/kg | 0.0027 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | mg/kg | 0.0027 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | mg/kg | 0.0027 | ND |
| 1,1,2-Trichloroethane | 1 | mg/kg | 0.0027 | ND |
| 1,1-Dichloroethane | 1 | mg/kg | 0.0027 | ND |
| 1,1-Dichloroethene | 1 | mg/kg | 0.0027 | ND |
| 1,2,3-Trichlorobenzene | 1 | mg/kg | 0.0027 | ND |
| 1,2,4-Trichlorobenzene | 1 | mg/kg | 0.0027 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | mg/kg | 0.0027 | ND |
| 1,2-Dibromoethane | 1 | mg/kg | 0.0027 | ND |
| 1,2-Dichlorobenzene | 1 | mg/kg | 0.0027 | ND |
| 1,2-Dichloroethane | 1 | mg/kg | 0.0014 | ND |
| 1,2-Dichloropropane | 1 | mg/kg | 0.0027 | ND |
| 1,3-Dichlorobenzene | 1 | mg/kg | 0.0027 | ND |
| 1,4-Dichlorobenzene | 1 | mg/kg | 0.0027 | ND |
| 1,4-Dioxane | 1 | mg/kg | 0.14 | ND |
| 2-Butanone | 1 | mg/kg | 0.0027 | ND |
| 2-Hexanone | 1 | mg/kg | 0.0027 | ND |
| 4-Methyl-2-pentanone | 1 | mg/kg | 0.0027 | ND |
| Acetone | 1 | mg/kg | 0.014 | ND |
| Benzene | 1 | mg/kg | 0.0014 | ND |
| Bromochloromethane | 1 | mg/kg | 0.0027 | ND |
| Bromodichloromethane | 1 | mg/kg | 0.0027 | ND |
| Bromoform | 1 | mg/kg | 0.0027 | ND |
| Bromomethane | 1 | mg/kg | 0.0027 | ND |
| Carbon disulfide | 1 | mg/kg | 0.0027 | ND |
| Carbon tetrachloride | 1 | mg/kg | 0.0027 | ND |
| Chlorobenzene | 1 | mg/kg | 0.0027 | ND |
| Chloroethane | 1 | mg/kg | 0.0027 | ND |
| Chloroform | 1 | mg/kg | 0.0027 | ND |
| Chloromethane | 1 | mg/kg | 0.0027 | ND |

**Sample ID:** SD-2-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-006 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

| | | | | |
|---|---|---|---|---|
| cis-1,2-Dichloroethene | 1 | mg/kg | 0.0027 | ND |
| cis-1,3-Dichloropropene | 1 | mg/kg | 0.0027 | ND |
| Cyclohexane | 1 | mg/kg | 0.0027 | ND |
| Dibromochloromethane | 1 | mg/kg | 0.0027 | ND |
| Dichlorodifluoromethane | 1 | mg/kg | 0.0027 | ND |
| Ethylbenzene | 1 | mg/kg | 0.0014 | ND |
| Isopropylbenzene | 1 | mg/kg | 0.0014 | ND |
| m&p-Xylenes | 1 | mg/kg | 0.0014 | ND |
| Methyl Acetate | 1 | mg/kg | 0.0027 | ND |
| Methylcyclohexane | 1 | mg/kg | 0.0027 | ND |
| Methylene chloride | 1 | mg/kg | 0.0027 | ND |
| Methyl-t-butyl ether | 1 | mg/kg | 0.0014 | ND |
| o-Xylene | 1 | mg/kg | 0.0014 | ND |
| Styrene | 1 | mg/kg | 0.0027 | ND |
| Tetrachloroethene | 1 | mg/kg | 0.0027 | ND |
| Toluene | 1 | mg/kg | 0.0014 | ND |
| trans-1,2-Dichloroethene | 1 | mg/kg | 0.0027 | ND |
| trans-1,3-Dichloropropene | 1 | mg/kg | 0.0027 | ND |
| Trichloroethene | 1 | mg/kg | 0.0027 | ND |
| Trichlorofluoromethane | 1 | mg/kg | 0.0027 | ND |
| Vinyl chloride | 1 | mg/kg | 0.0027 | ND |
| Xylenes (Total) | 1 | mg/kg | 0.0014 | ND |

**Volatile Organics + 10 (8260) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **unknown** | **1** | **mg/kg** | **7.6** | **0.013JB** |
| **unknown** | **1** | **mg/kg** | **9.28** | **0.014JB** |
| **TotalVolatileTic** | **1** | **mg/kg** | **NA** | **0.027J** |

**Sample ID:** SD-3-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-007 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

### % Solids SM2540G

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **% Solids** | **1** | **percent** | | **80** |

### Chloride (Soil) 9056A

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Chloride** | **1** | **mg/kg** | **25** | **29** |

### Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/kg | 0.30 | ND |

### Mercury (Soil/Waste) 7471A

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | mg/kg | 0.10 | ND |

### Semivolatile Organics + 25 (8270)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | mg/kg | 0.083 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | mg/kg | 0.083 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | mg/kg | 0.083 | ND |
| 2,4,5-Trichlorophenol | 1 | mg/kg | 0.083 | ND |
| 2,4,6-Trichlorophenol | 1 | mg/kg | 0.083 | ND |
| 2,4-Dichlorophenol | 1 | mg/kg | 0.021 | ND |
| 2,4-Dimethylphenol | 1 | mg/kg | 0.021 | ND |
| 2,4-Dinitrophenol | 1 | mg/kg | 0.42 | ND |
| 2,4-Dinitrotoluene | 1 | mg/kg | 0.083 | ND |
| 2,6-Dinitrotoluene | 1 | mg/kg | 0.083 | ND |
| 2-Chloronaphthalene | 1 | mg/kg | 0.083 | ND |
| 2-Chlorophenol | 1 | mg/kg | 0.083 | ND |
| 2-Methylnaphthalene | 1 | mg/kg | 0.083 | ND |
| 2-Methylphenol | 1 | mg/kg | 0.021 | ND |
| 2-Nitroaniline | 1 | mg/kg | 0.083 | ND |
| 2-Nitrophenol | 1 | mg/kg | 0.083 | ND |
| 3&4-Methylphenol | 1 | mg/kg | 0.021 | ND |
| 3,3'-Dichlorobenzidine | 1 | mg/kg | 0.083 | ND |
| 3-Nitroaniline | 1 | mg/kg | 0.083 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | mg/kg | 0.42 | ND |
| 4-Bromophenyl-phenylether | 1 | mg/kg | 0.083 | ND |
| 4-Chloro-3-methylphenol | 1 | mg/kg | 0.083 | ND |
| 4-Chloroaniline | 1 | mg/kg | 0.040 | ND |
| 4-Chlorophenyl-phenylether | 1 | mg/kg | 0.083 | ND |
| 4-Nitroaniline | 1 | mg/kg | 0.083 | ND |
| 4-Nitrophenol | 1 | mg/kg | 0.083 | ND |
| **Acenaphthene** | **1** | **mg/kg** | **0.083** | **0.085** |
| Acenaphthylene | 1 | mg/kg | 0.083 | ND |
| Acetophenone | 1 | mg/kg | 0.083 | ND |
| **Anthracene** | **1** | **mg/kg** | **0.083** | **0.14** |
| Atrazine | 1 | mg/kg | 0.083 | ND |
| **Benzaldehyde** | **1** | **mg/kg** | **0.083** | **0.28** |
| **Benzo[a]anthracene** | **1** | **mg/kg** | **0.083** | **0.75** |
| **Benzo[a]pyrene** | **1** | **mg/kg** | **0.083** | **0.65** |
| **Benzo[b]fluoranthene** | **1** | **mg/kg** | **0.083** | **1.1** |
| **Benzo[g,h,i]perylene** | **1** | **mg/kg** | **0.083** | **0.49** |
| **Benzo[k]fluoranthene** | **1** | **mg/kg** | **0.083** | **0.32** |
| bis(2-Chloroethoxy)methane | 1 | mg/kg | 0.083 | ND |
| bis(2-Chloroethyl)ether | 1 | mg/kg | 0.021 | ND |

**Sample ID:** SD-3-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-007 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

| | | | | |
|---|---|---|---|---|
| bis(2-Chloroisopropyl)ether | 1 | mg/kg | 0.083 | ND |
| **bis(2-Ethylhexyl)phthalate** | **1** | **mg/kg** | **0.083** | **0.12** |
| Butylbenzylphthalate | 1 | mg/kg | 0.083 | ND |
| Caprolactam | 1 | mg/kg | 0.083 | ND |
| **Carbazole** | **1** | **mg/kg** | **0.083** | **0.11** |
| **Chrysene** | **1** | **mg/kg** | **0.083** | **0.80** |
| **Dibenzo[a,h]anthracene** | **1** | **mg/kg** | **0.083** | **0.15** |
| Dibenzofuran | 1 | mg/kg | 0.021 | ND |
| Diethylphthalate | 1 | mg/kg | 0.083 | ND |
| Dimethylphthalate | 1 | mg/kg | 0.083 | ND |
| **Di-n-butylphthalate** | **1** | **mg/kg** | **0.042** | **0.046** |
| Di-n-octylphthalate | 1 | mg/kg | 0.083 | ND |
| **Fluoranthene** | **1** | **mg/kg** | **0.083** | **1.3** |
| Fluorene | 1 | mg/kg | 0.083 | ND |
| Hexachlorobenzene | 1 | mg/kg | 0.083 | ND |
| Hexachlorobutadiene | 1 | mg/kg | 0.083 | ND |
| Hexachlorocyclopentadiene | 1 | mg/kg | 0.083 | ND |
| Hexachloroethane | 1 | mg/kg | 0.083 | ND |
| **Indeno[1,2,3-cd]pyrene** | **1** | **mg/kg** | **0.083** | **0.45** |
| Isophorone | 1 | mg/kg | 0.083 | ND |
| Naphthalene | 1 | mg/kg | 0.021 | ND |
| Nitrobenzene | 1 | mg/kg | 0.083 | ND |
| N-Nitroso-di-n-propylamine | 1 | mg/kg | 0.021 | ND |
| N-Nitrosodiphenylamine | 1 | mg/kg | 0.083 | ND |
| Pentachlorophenol | 1 | mg/kg | 0.42 | ND |
| **Phenanthrene** | **1** | **mg/kg** | **0.083** | **0.66** |
| Phenol | 1 | mg/kg | 0.083 | ND |
| **Pyrene** | **1** | **mg/kg** | **0.083** | **1.2** |

**Semivolatile Organics + 25 (8270) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **unknown** | **1** | **mg/kg** | **10.8** | **0.58J** |
| **unknown** | **1** | **mg/kg** | **12.71** | **1.0J** |
| **Chrysene, 1-methyl-** | **1** | **mg/kg** | **12.84** | **0.33J** |
| **10-DEMETHYLSQUALENE** | **1** | **mg/kg** | **13.48** | **0.41J** |
| **Nonadecane** | **1** | **mg/kg** | **13.78** | **0.68J** |
| **Benzo[e]pyrene** | **1** | **mg/kg** | **13.87** | **0.77J** |
| **Octadecane** | **1** | **mg/kg** | **14.49** | **0.44J** |
| **Vitamin E** | **1** | **mg/kg** | **14.68** | **0.33J** |
| **Cholest-5-en-3-ol (3.beta.)-** | **1** | **mg/kg** | **14.76** | **0.39J** |
| **unknown** | **1** | **mg/kg** | **14.94** | **0.56J** |
| **unknown** | **1** | **mg/kg** | **15.35** | **0.74J** |
| **Stigmast-5-en-3-ol, (3.beta.,24S)-** | **1** | **mg/kg** | **15.65** | **2.2J** |
| **(24S)-5.ALPHA.-ERGOSTAN-3-ONE** | **1** | **mg/kg** | **15.92** | **0.46J** |
| **unknown** | **1** | **mg/kg** | **15.96** | **0.38J** |
| **unknown** | **1** | **mg/kg** | **16.01** | **0.45J** |
| **unknown** | **1** | **mg/kg** | **3.53** | **0.32J** |
| **unknown** | **1** | **mg/kg** | **4.16** | **1.1JB** |
| **2-Pentanone, 4-hydroxy-4-methyl-** | **1** | **mg/kg** | **4.4** | **100JAB** |
| **(+-)-15-Hexadecanolide** | **1** | **mg/kg** | **9.89** | **0.56J** |
| **unknown** | **1** | **mg/kg** | **9.93** | **0.35J** |
| **TotalSemiVolatileTic** | **1** | **mg/kg** | **NA** | **110J** |

**TAL Metals 6010**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Aluminum** | **1** | **mg/kg** | **250** | **11000** |
| Arsenic | 1 | mg/kg | 5.0 | ND |

**Sample ID:** SD-3-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-007 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

| | | | | |
|---|---|---|---|---|
| **Barium** | **1** | **mg/kg** | **12** | **66** |
| **Calcium** | **1** | **mg/kg** | **1200** | **19000** |
| **Chromium** | **1** | **mg/kg** | **6.2** | **20** |
| **Cobalt** | **1** | **mg/kg** | **3.1** | **10** |
| **Copper** | **1** | **mg/kg** | **6.2** | **35** |
| **Iron** | **1** | **mg/kg** | **250** | **23000** |
| **Lead** | **1** | **mg/kg** | **6.2** | **270** |
| **Magnesium** | **1** | **mg/kg** | **620** | **14000** |
| **Manganese** | **1** | **mg/kg** | **12** | **700** |
| **Nickel** | **1** | **mg/kg** | **6.2** | **22** |
| **Potassium** | **1** | **mg/kg** | **620** | **1500** |
| Sodium | 1 | mg/kg | 310 | ND |
| Thallium | 1 | mg/kg | 1.9 | ND |
| **Vanadium** | **1** | **mg/kg** | **12** | **28** |
| **Zinc** | **1** | **mg/kg** | **12** | **190** |

**TAL Metals 6020**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | mg/kg | 0.25 | ND |
| **Beryllium** | **1** | **mg/kg** | **0.25** | **0.25** |
| **Cadmium** | **1** | **mg/kg** | **0.50** | **2.5** |
| Selenium | 1 | mg/kg | 2.5 | ND |
| Silver | 1 | mg/kg | 0.25 | ND |

**Volatile Organics + 10 (8260)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1.01 | mg/kg | 0.0025 | ND |
| 1,1,2,2-Tetrachloroethane | 1.01 | mg/kg | 0.0025 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.01 | mg/kg | 0.0025 | ND |
| 1,1,2-Trichloroethane | 1.01 | mg/kg | 0.0025 | ND |
| 1,1-Dichloroethane | 1.01 | mg/kg | 0.0025 | ND |
| 1,1-Dichloroethene | 1.01 | mg/kg | 0.0025 | ND |
| 1,2,3-Trichlorobenzene | 1.01 | mg/kg | 0.0025 | ND |
| 1,2,4-Trichlorobenzene | 1.01 | mg/kg | 0.0025 | ND |
| 1,2-Dibromo-3-chloropropane | 1.01 | mg/kg | 0.0025 | ND |
| 1,2-Dibromoethane | 1.01 | mg/kg | 0.0025 | ND |
| 1,2-Dichlorobenzene | 1.01 | mg/kg | 0.0025 | ND |
| 1,2-Dichloroethane | 1.01 | mg/kg | 0.0013 | ND |
| 1,2-Dichloropropane | 1.01 | mg/kg | 0.0025 | ND |
| 1,3-Dichlorobenzene | 1.01 | mg/kg | 0.0025 | ND |
| 1,4-Dichlorobenzene | 1.01 | mg/kg | 0.0025 | ND |
| 1,4-Dioxane | 1.01 | mg/kg | 0.13 | ND |
| 2-Butanone | 1.01 | mg/kg | 0.0025 | ND |
| 2-Hexanone | 1.01 | mg/kg | 0.0025 | ND |
| 4-Methyl-2-pentanone | 1.01 | mg/kg | 0.0025 | ND |
| Acetone | 1.01 | mg/kg | 0.013 | ND |
| Benzene | 1.01 | mg/kg | 0.0013 | ND |
| Bromochloromethane | 1.01 | mg/kg | 0.0025 | ND |
| Bromodichloromethane | 1.01 | mg/kg | 0.0025 | ND |
| Bromoform | 1.01 | mg/kg | 0.0025 | ND |
| Bromomethane | 1.01 | mg/kg | 0.0025 | ND |
| Carbon disulfide | 1.01 | mg/kg | 0.0025 | ND |
| Carbon tetrachloride | 1.01 | mg/kg | 0.0025 | ND |
| Chlorobenzene | 1.01 | mg/kg | 0.0025 | ND |
| Chloroethane | 1.01 | mg/kg | 0.0025 | ND |
| Chloroform | 1.01 | mg/kg | 0.0025 | ND |
| Chloromethane | 1.01 | mg/kg | 0.0025 | ND |

**Sample ID:** SD-3-10242013
**Lab#:** AC75362-007
**Matrix:** Sediment/Encore

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

| | | | | |
|---|---|---|---|---|
| cis-1,2-Dichloroethene | 1.01 | mg/kg | 0.0025 | ND |
| cis-1,3-Dichloropropene | 1.01 | mg/kg | 0.0025 | ND |
| Cyclohexane | 1.01 | mg/kg | 0.0025 | ND |
| Dibromochloromethane | 1.01 | mg/kg | 0.0025 | ND |
| Dichlorodifluoromethane | 1.01 | mg/kg | 0.0025 | ND |
| Ethylbenzene | 1.01 | mg/kg | 0.0013 | ND |
| Isopropylbenzene | 1.01 | mg/kg | 0.0013 | ND |
| m&p-Xylenes | 1.01 | mg/kg | 0.0013 | ND |
| Methyl Acetate | 1.01 | mg/kg | 0.0025 | ND |
| Methylcyclohexane | 1.01 | mg/kg | 0.0025 | ND |
| Methylene chloride | 1.01 | mg/kg | 0.0025 | ND |
| Methyl-t-butyl ether | 1.01 | mg/kg | 0.0013 | ND |
| o-Xylene | 1.01 | mg/kg | 0.0013 | ND |
| Styrene | 1.01 | mg/kg | 0.0025 | ND |
| Tetrachloroethene | 1.01 | mg/kg | 0.0025 | ND |
| Toluene | 1.01 | mg/kg | 0.0013 | ND |
| trans-1,2-Dichloroethene | 1.01 | mg/kg | 0.0025 | ND |
| trans-1,3-Dichloropropene | 1.01 | mg/kg | 0.0025 | ND |
| Trichloroethene | 1.01 | mg/kg | 0.0025 | ND |
| Trichlorofluoromethane | 1.01 | mg/kg | 0.0025 | ND |
| Vinyl chloride | 1.01 | mg/kg | 0.0025 | ND |
| Xylenes (Total) | 1.01 | mg/kg | 0.0013 | ND |

**Volatile Organics + 10 (8260) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **1-Dodecen-3-yne** | **1.01** | **mg/kg** | **6.14** | **0.013J** |
| **unknown** | **1.01** | **mg/kg** | **6.51** | **0.0075J** |
| **THUJENE** | **1.01** | **mg/kg** | **6.6** | **0.020J** |
| **unknown** | **1.01** | **mg/kg** | **6.9** | **0.0089J** |
| **2-.BETA.-PINENE** | **1.01** | **mg/kg** | **6.95** | **0.045J** |
| **Benzene, 1-methyl-4-(1-methylethyl)-** | **1.01** | **mg/kg** | **7.27** | **0.031J** |
| **unknown** | **1.01** | **mg/kg** | **9.28** | **0.013JB** |
| **TotalVolatileTic** | **1.01** | **mg/kg** | **NA** | **0.14J** |

**Sample ID:** SW-1-10242013
**Lab#:** AC75362-008
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

### Chloride (Water) 300.0

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Chloride | 1 | mg/l | 2.0 | 6.3 |

### Cyanide-Water (EPA 335.4)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

### Mercury (Water) 245.1

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

### Semivolatile Organics + 25 (625)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.0 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.0 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.0 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.50 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.0 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.0 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.0 | ND |
| 2-Methylphenol | 1 | ug/l | 0.50 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.0 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.50 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.0 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.0 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.50 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.0 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.0 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.0 | ND |
| Acenaphthene | 1 | ug/l | 2.0 | ND |
| Acenaphthylene | 1 | ug/l | 2.0 | ND |
| Acetophenone | 1 | ug/l | 2.0 | ND |
| Anthracene | 1 | ug/l | 2.0 | ND |
| Atrazine | 1 | ug/l | 2.0 | ND |
| Benzaldehyde | 1 | ug/l | 2.0 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.0 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.50 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.0 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.0 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.0 | ND |
| Caprolactam | 1 | ug/l | 2.0 | ND |

**Sample ID:** SW-1-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-008 **Receipt Date:** 10/25/2013
**Matrix:** Aqueous

| | | | | |
|---|---|---|---|---|
| Carbazole | 1 | ug/l | 2.0 | ND |
| Chrysene | 1 | ug/l | 2.0 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND |
| Dibenzofuran | 1 | ug/l | 0.50 | ND |
| Diethylphthalate | 1 | ug/l | 2.0 | ND |
| Dimethylphthalate | 1 | ug/l | 2.0 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.50 | ND |
| Di-n-octylphthalate | 1 | ug/l | 2.0 | ND |
| Fluoranthene | 1 | ug/l | 2.0 | ND |
| Fluorene | 1 | ug/l | 2.0 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.0 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.0 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 10 | ND |
| Hexachloroethane | 1 | ug/l | 2.0 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND |
| Isophorone | 1 | ug/l | 2.0 | ND |
| Naphthalene | 1 | ug/l | 0.50 | ND |
| Nitrobenzene | 1 | ug/l | 2.0 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.50 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.0 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.0 | ND |
| Phenol | 1 | ug/l | 2.0 | ND |
| Pyrene | 1 | ug/l | 2.0 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.14** | **7.4JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **7.4J** |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| **Barium** | **1** | **ug/l** | **25** | **36** |
| **Calcium** | **1** | **ug/l** | **1000** | **45000** |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| **Iron** | **1** | **ug/l** | **150** | **1900** |
| **Magnesium** | **1** | **ug/l** | **1000** | **14000** |
| **Manganese** | **1** | **ug/l** | **25** | **1700** |
| Nickel | 1 | ug/l | 10 | ND |
| **Potassium** | **1** | **ug/l** | **2500** | **3300** |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| **Sodium** | **1** | **ug/l** | **2500** | **9200** |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| **Lead** | **1** | **ug/l** | **0.75** | **1.1** |
| Thallium | 1 | ug/l | 1.5 | ND |

**Sample ID:** SW-1-10242013
**Lab#:** AC75362-008
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Sample ID:** SW-1-10242013
**Lab#:** AC75362-008
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

**Sample ID:** SD-1-10242013
**Lab#:** AC75362-009
**Matrix:** Sediment/Encore

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

### % Solids SM2540G

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| % Solids | 1 | percent | | 74 |

### Chloride (Soil) 9056A

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Chloride | 1 | mg/kg | 27 | ND |

### Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/kg | 0.32 | ND |

### Mercury (Soil/Waste) 7471A

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | mg/kg | 0.11 | ND |

### Semivolatile Organics + 25 (8270)

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | mg/kg | 0.045 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | mg/kg | 0.045 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | mg/kg | 0.045 | ND |
| 2,4,5-Trichlorophenol | 1 | mg/kg | 0.045 | ND |
| 2,4,6-Trichlorophenol | 1 | mg/kg | 0.045 | ND |
| 2,4-Dichlorophenol | 1 | mg/kg | 0.011 | ND |
| 2,4-Dimethylphenol | 1 | mg/kg | 0.011 | ND |
| 2,4-Dinitrophenol | 1 | mg/kg | 0.23 | ND |
| 2,4-Dinitrotoluene | 1 | mg/kg | 0.045 | ND |
| 2,6-Dinitrotoluene | 1 | mg/kg | 0.045 | ND |
| 2-Chloronaphthalene | 1 | mg/kg | 0.045 | ND |
| 2-Chlorophenol | 1 | mg/kg | 0.045 | ND |
| 2-Methylnaphthalene | 1 | mg/kg | 0.045 | ND |
| 2-Methylphenol | 1 | mg/kg | 0.011 | ND |
| 2-Nitroaniline | 1 | mg/kg | 0.045 | ND |
| 2-Nitrophenol | 1 | mg/kg | 0.045 | ND |
| 3&4-Methylphenol | 1 | mg/kg | 0.011 | ND |
| 3,3'-Dichlorobenzidine | 1 | mg/kg | 0.045 | ND |
| 3-Nitroaniline | 1 | mg/kg | 0.045 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | mg/kg | 0.23 | ND |
| 4-Bromophenyl-phenylether | 1 | mg/kg | 0.045 | ND |
| 4-Chloro-3-methylphenol | 1 | mg/kg | 0.045 | ND |
| 4-Chloroaniline | 1 | mg/kg | 0.021 | ND |
| 4-Chlorophenyl-phenylether | 1 | mg/kg | 0.045 | ND |
| 4-Nitroaniline | 1 | mg/kg | 0.045 | ND |
| 4-Nitrophenol | 1 | mg/kg | 0.045 | ND |
| Acenaphthene | 1 | mg/kg | 0.045 | ND |
| Acenaphthylene | 1 | mg/kg | 0.045 | ND |
| Acetophenone | 1 | mg/kg | 0.045 | ND |
| Anthracene | 1 | mg/kg | 0.045 | ND |
| Atrazine | 1 | mg/kg | 0.045 | ND |
| Benzaldehyde | 1 | mg/kg | 0.045 | ND |
| Benzo[a]anthracene | 1 | mg/kg | 0.045 | ND |
| Benzo[a]pyrene | 1 | mg/kg | 0.045 | ND |
| **Benzo[b]fluoranthene** | **1** | **mg/kg** | **0.045** | **0.049** |
| Benzo[g,h,i]perylene | 1 | mg/kg | 0.045 | ND |
| Benzo[k]fluoranthene | 1 | mg/kg | 0.045 | ND |
| bis(2-Chloroethoxy)methane | 1 | mg/kg | 0.045 | ND |
| bis(2-Chloroethyl)ether | 1 | mg/kg | 0.011 | ND |

**Sample ID:** SD-1-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-009 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

| | | | | |
|---|---|---|---|---|
| bis(2-Chloroisopropyl)ether | 1 | mg/kg | 0.045 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | mg/kg | 0.045 | ND |
| Butylbenzylphthalate | 1 | mg/kg | 0.045 | ND |
| Caprolactam | 1 | mg/kg | 0.045 | ND |
| Carbazole | 1 | mg/kg | 0.045 | ND |
| Chrysene | 1 | mg/kg | 0.045 | ND |
| Dibenzo[a,h]anthracene | 1 | mg/kg | 0.045 | ND |
| Dibenzofuran | 1 | mg/kg | 0.011 | ND |
| Diethylphthalate | 1 | mg/kg | 0.045 | ND |
| Dimethylphthalate | 1 | mg/kg | 0.045 | ND |
| Di-n-butylphthalate | 1 | mg/kg | 0.023 | ND |
| Di-n-octylphthalate | 1 | mg/kg | 0.045 | ND |
| Fluoranthene | 1 | mg/kg | 0.045 | ND |
| Fluorene | 1 | mg/kg | 0.045 | ND |
| Hexachlorobenzene | 1 | mg/kg | 0.045 | ND |
| Hexachlorobutadiene | 1 | mg/kg | 0.045 | ND |
| Hexachlorocyclopentadiene | 1 | mg/kg | 0.045 | ND |
| Hexachloroethane | 1 | mg/kg | 0.045 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | mg/kg | 0.045 | ND |
| Isophorone | 1 | mg/kg | 0.045 | ND |
| Naphthalene | 1 | mg/kg | 0.011 | ND |
| Nitrobenzene | 1 | mg/kg | 0.045 | ND |
| N-Nitroso-di-n-propylamine | 1 | mg/kg | 0.011 | ND |
| N-Nitrosodiphenylamine | 1 | mg/kg | 0.045 | ND |
| Pentachlorophenol | 1 | mg/kg | 0.23 | ND |
| Phenanthrene | 1 | mg/kg | 0.045 | ND |
| Phenol | 1 | mg/kg | 0.045 | ND |
| **Pyrene** | **1** | **mg/kg** | **0.045** | **0.048** |

**Semivolatile Organics + 25 (8270) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **unknown** | **1** | **mg/kg** | **10.75** | **0.36J** |
| **Androst-5-en-3.beta.-ol** | **1** | **mg/kg** | **13.02** | **0.26J** |
| **Nonacosane** | **1** | **mg/kg** | **13.79** | **0.55J** |
| **13-Octadecenal** | **1** | **mg/kg** | **14.31** | **0.28J** |
| **Tricosane** | **1** | **mg/kg** | **14.5** | **0.27J** |
| **Vitamin E** | **1** | **mg/kg** | **14.69** | **0.88J** |
| **Ergost-5-en-3-ol, (3.beta.)-** | **1** | **mg/kg** | **15.25** | **0.42J** |
| **Stigmasta-5,22-dien-3-ol, (3.beta.,22E)** | **1** | **mg/kg** | **15.36** | **0.77J** |
| **unknown** | **1** | **mg/kg** | **15.49** | **0.31J** |
| **Stigmast-5-en-3-ol, (3.beta.,24S)-** | **1** | **mg/kg** | **15.67** | **4.1J** |
| **unknown** | **1** | **mg/kg** | **15.75** | **0.34J** |
| **unknown** | **1** | **mg/kg** | **15.89** | **0.24J** |
| **5.ALPHA.-STIGMAST-3-ONE** | **1** | **mg/kg** | **15.94** | **0.71J** |
| **Aristolone** | **1** | **mg/kg** | **15.99** | **1.1J** |
| **unknown** | **1** | **mg/kg** | **4.19** | **1.4JB** |
| **2-Pentanone, 4-hydroxy-4-methyl-** | **1** | **mg/kg** | **4.43** | **120JAB** |
| **unknown** | **1** | **mg/kg** | **4.92** | **0.31JB** |
| **2-Propanol, 1-butoxy-** | **1** | **mg/kg** | **5.08** | **0.29JB** |
| **Propanoic acid, 2-methyl-, 4-methylphen** | **1** | **mg/kg** | **9.58** | **0.63J** |
| **Hexadecanoic acid** | **1** | **mg/kg** | **9.97** | **0.24J** |
| **TotalSemiVolatileTic** | **1** | **mg/kg** | **NA** | **130J** |

**TAL Metals 6010**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| **Aluminum** | **1** | **mg/kg** | **270** | **6900** |
| Arsenic | 1 | mg/kg | 5.4 | ND |

**Sample ID:** SD-1-10242013 **Collection Date:** 10/24/2013
**Lab#:** AC75362-009 **Receipt Date:** 10/25/2013
**Matrix:** Sediment/Encore

| | | | | |
|---|---|---|---|---|
| **Barium** | **1** | **mg/kg** | **14** | **56** |
| **Calcium** | **1** | **mg/kg** | **1400** | **1500** |
| **Chromium** | **1** | **mg/kg** | **6.8** | **14** |
| **Cobalt** | **1** | **mg/kg** | **3.4** | **6.1** |
| **Copper** | **1** | **mg/kg** | **6.8** | **15** |
| **Iron** | **1** | **mg/kg** | **270** | **15000** |
| Lead | 1 | mg/kg | 6.8 | ND |
| **Magnesium** | **1** | **mg/kg** | **680** | **3200** |
| **Manganese** | **1** | **mg/kg** | **14** | **580** |
| **Nickel** | **1** | **mg/kg** | **6.8** | **11** |
| **Potassium** | **1** | **mg/kg** | **680** | **1900** |
| Sodium | 1 | mg/kg | 340 | ND |
| Thallium | 1 | mg/kg | 2.0 | ND |
| **Vanadium** | **1** | **mg/kg** | **14** | **21** |
| **Zinc** | **1** | **mg/kg** | **14** | **32** |

**TAL Metals 6020**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | mg/kg | 0.27 | ND |
| Beryllium | 1 | mg/kg | 0.27 | ND |
| Cadmium | 1 | mg/kg | 0.54 | ND |
| Selenium | 1 | mg/kg | 2.7 | ND |
| Silver | 1 | mg/kg | 0.27 | ND |

**Volatile Organics + 10 (8260)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1.07 | mg/kg | 0.0029 | ND |
| 1,1,2,2-Tetrachloroethane | 1.07 | mg/kg | 0.0029 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.07 | mg/kg | 0.0029 | ND |
| 1,1,2-Trichloroethane | 1.07 | mg/kg | 0.0029 | ND |
| 1,1-Dichloroethane | 1.07 | mg/kg | 0.0029 | ND |
| 1,1-Dichloroethene | 1.07 | mg/kg | 0.0029 | ND |
| 1,2,3-Trichlorobenzene | 1.07 | mg/kg | 0.0029 | ND |
| 1,2,4-Trichlorobenzene | 1.07 | mg/kg | 0.0029 | ND |
| 1,2-Dibromo-3-chloropropane | 1.07 | mg/kg | 0.0029 | ND |
| 1,2-Dibromoethane | 1.07 | mg/kg | 0.0029 | ND |
| 1,2-Dichlorobenzene | 1.07 | mg/kg | 0.0029 | ND |
| 1,2-Dichloroethane | 1.07 | mg/kg | 0.0015 | ND |
| 1,2-Dichloropropane | 1.07 | mg/kg | 0.0029 | ND |
| 1,3-Dichlorobenzene | 1.07 | mg/kg | 0.0029 | ND |
| 1,4-Dichlorobenzene | 1.07 | mg/kg | 0.0029 | ND |
| 1,4-Dioxane | 1.07 | mg/kg | 0.15 | ND |
| 2-Butanone | 1.07 | mg/kg | 0.0029 | ND |
| 2-Hexanone | 1.07 | mg/kg | 0.0029 | ND |
| 4-Methyl-2-pentanone | 1.07 | mg/kg | 0.0029 | ND |
| Acetone | 1.07 | mg/kg | 0.015 | ND |
| Benzene | 1.07 | mg/kg | 0.0015 | ND |
| Bromochloromethane | 1.07 | mg/kg | 0.0029 | ND |
| Bromodichloromethane | 1.07 | mg/kg | 0.0029 | ND |
| Bromoform | 1.07 | mg/kg | 0.0029 | ND |
| Bromomethane | 1.07 | mg/kg | 0.0029 | ND |
| Carbon disulfide | 1.07 | mg/kg | 0.0029 | ND |
| Carbon tetrachloride | 1.07 | mg/kg | 0.0029 | ND |
| Chlorobenzene | 1.07 | mg/kg | 0.0029 | ND |
| Chloroethane | 1.07 | mg/kg | 0.0029 | ND |
| Chloroform | 1.07 | mg/kg | 0.0029 | ND |
| Chloromethane | 1.07 | mg/kg | 0.0029 | ND |

**Sample ID: SD-1-10242013** **Collection Date: 10/24/2013**
**Lab#: AC75362-009** **Receipt Date: 10/25/2013**
**Matrix: Sediment/Encore**

| | | | | |
|---|---|---|---|---|
| cis-1,2-Dichloroethene | 1.07 | mg/kg | 0.0029 | ND |
| cis-1,3-Dichloropropene | 1.07 | mg/kg | 0.0029 | ND |
| Cyclohexane | 1.07 | mg/kg | 0.0029 | ND |
| Dibromochloromethane | 1.07 | mg/kg | 0.0029 | ND |
| Dichlorodifluoromethane | 1.07 | mg/kg | 0.0029 | ND |
| Ethylbenzene | 1.07 | mg/kg | 0.0015 | ND |
| Isopropylbenzene | 1.07 | mg/kg | 0.0015 | ND |
| m&p-Xylenes | 1.07 | mg/kg | 0.0015 | ND |
| Methyl Acetate | 1.07 | mg/kg | 0.0029 | ND |
| Methylcyclohexane | 1.07 | mg/kg | 0.0029 | ND |
| Methylene chloride | 1.07 | mg/kg | 0.0029 | ND |
| Methyl-t-butyl ether | 1.07 | mg/kg | 0.0015 | ND |
| o-Xylene | 1.07 | mg/kg | 0.0015 | ND |
| Styrene | 1.07 | mg/kg | 0.0029 | ND |
| Tetrachloroethene | 1.07 | mg/kg | 0.0029 | ND |
| Toluene | 1.07 | mg/kg | 0.0015 | ND |
| trans-1,2-Dichloroethene | 1.07 | mg/kg | 0.0029 | ND |
| trans-1,3-Dichloropropene | 1.07 | mg/kg | 0.0029 | ND |
| Trichloroethene | 1.07 | mg/kg | 0.0029 | ND |
| Trichlorofluoromethane | 1.07 | mg/kg | 0.0029 | ND |
| Vinyl chloride | 1.07 | mg/kg | 0.0029 | ND |
| Xylenes (Total) | 1.07 | mg/kg | 0.0015 | ND |

**Volatile Organics + 10 (8260) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **unknown** | **1.07** | **mg/kg** | **7.6** | **0.021JB** |
| **unknown** | **1.07** | **mg/kg** | **9.27** | **0.020JB** |
| **TotalVolatileTic** | **1.07** | **mg/kg** | **NA** | **0.041J** |

**Sample ID:** FB-10242013
**Lab#:** AC75362-010
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Chloride (Water) 300.0**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Chloride | 1 | mg/l | 2.0 | ND |

**Cyanide-Water (EPA 335.4)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Cyanide | 1 | mg/l | 0.020 | ND |

**Mercury (Water) 245.1**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Mercury | 1 | ug/l | 0.20 | ND |

**Semivolatile Organics + 25 (625)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1'-Biphenyl | 1 | ug/l | 2.1 | ND |
| 1,2,4,5-Tetrachlorobenzene | 1 | ug/l | 2.1 | ND |
| 2,3,4,6-Tetrachlorophenol | 1 | ug/l | 2.1 | ND |
| 2,4,5-Trichlorophenol | 1 | ug/l | 2.1 | ND |
| 2,4,6-Trichlorophenol | 1 | ug/l | 2.1 | ND |
| 2,4-Dichlorophenol | 1 | ug/l | 2.1 | ND |
| 2,4-Dimethylphenol | 1 | ug/l | 0.52 | ND |
| 2,4-Dinitrophenol | 1 | ug/l | 10 | ND |
| 2,4-Dinitrotoluene | 1 | ug/l | 2.1 | ND |
| 2,6-Dinitrotoluene | 1 | ug/l | 2.1 | ND |
| 2-Chloronaphthalene | 1 | ug/l | 2.1 | ND |
| 2-Chlorophenol | 1 | ug/l | 2.1 | ND |
| 2-Methylnaphthalene | 1 | ug/l | 2.1 | ND |
| 2-Methylphenol | 1 | ug/l | 0.52 | ND |
| 2-Nitroaniline | 1 | ug/l | 2.1 | ND |
| 2-Nitrophenol | 1 | ug/l | 2.1 | ND |
| 3&4-Methylphenol | 1 | ug/l | 0.52 | ND |
| 3,3'-Dichlorobenzidine | 1 | ug/l | 2.1 | ND |
| 3-Nitroaniline | 1 | ug/l | 2.1 | ND |
| 4,6-Dinitro-2-methylphenol | 1 | ug/l | 10 | ND |
| 4-Bromophenyl-phenylether | 1 | ug/l | 2.1 | ND |
| 4-Chloro-3-methylphenol | 1 | ug/l | 2.1 | ND |
| 4-Chloroaniline | 1 | ug/l | 0.52 | ND |
| 4-Chlorophenyl-phenylether | 1 | ug/l | 2.1 | ND |
| 4-Nitroaniline | 1 | ug/l | 2.1 | ND |
| 4-Nitrophenol | 1 | ug/l | 2.1 | ND |
| Acenaphthene | 1 | ug/l | 2.1 | ND |
| Acenaphthylene | 1 | ug/l | 2.1 | ND |
| Acetophenone | 1 | ug/l | 2.1 | ND |
| Anthracene | 1 | ug/l | 2.1 | ND |
| Atrazine | 1 | ug/l | 2.1 | ND |
| Benzaldehyde | 1 | ug/l | 2.1 | ND |
| Benzo[a]anthracene | 1 | ug/l | 2.1 | ND |
| Benzo[a]pyrene | 1 | ug/l | 2.1 | ND |
| Benzo[b]fluoranthene | 1 | ug/l | 2.1 | ND |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.1 | ND |
| Benzo[k]fluoranthene | 1 | ug/l | 2.1 | ND |
| bis(2-Chloroethoxy)methane | 1 | ug/l | 2.1 | ND |
| bis(2-Chloroethyl)ether | 1 | ug/l | 0.52 | ND |
| bis(2-Chloroisopropyl)ether | 1 | ug/l | 2.1 | ND |
| bis(2-Ethylhexyl)phthalate | 1 | ug/l | 2.1 | ND |
| Butylbenzylphthalate | 1 | ug/l | 2.1 | ND |
| Caprolactam | 1 | ug/l | 2.1 | ND |

**Sample ID: FB-10242013** **Collection Date: 10/24/2013**
**Lab#: AC75362-010** **Receipt Date: 10/25/2013**
**Matrix: Aqueous**

| | | | | |
|---|---|---|---|---|
| Carbazole | 1 | ug/l | 2.1 | ND |
| Chrysene | 1 | ug/l | 2.1 | ND |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.1 | ND |
| Dibenzofuran | 1 | ug/l | 0.52 | ND |
| Diethylphthalate | 1 | ug/l | 2.1 | ND |
| Dimethylphthalate | 1 | ug/l | 2.1 | ND |
| Di-n-butylphthalate | 1 | ug/l | 0.52 | ND |
| Di-n-octylphthalate | 1 | ug/l | 2.1 | ND |
| Fluoranthene | 1 | ug/l | 2.1 | ND |
| Fluorene | 1 | ug/l | 2.1 | ND |
| Hexachlorobenzene | 1 | ug/l | 2.1 | ND |
| Hexachlorobutadiene | 1 | ug/l | 2.1 | ND |
| Hexachlorocyclopentadiene | 1 | ug/l | 10 | ND |
| Hexachloroethane | 1 | ug/l | 2.1 | ND |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.1 | ND |
| Isophorone | 1 | ug/l | 2.1 | ND |
| Naphthalene | 1 | ug/l | 0.52 | ND |
| Nitrobenzene | 1 | ug/l | 2.1 | ND |
| N-Nitroso-di-n-propylamine | 1 | ug/l | 0.52 | ND |
| N-Nitrosodiphenylamine | 1 | ug/l | 2.1 | ND |
| Pentachlorophenol | 1 | ug/l | 10 | ND |
| Phenanthrene | 1 | ug/l | 2.1 | ND |
| Phenol | 1 | ug/l | 2.1 | ND |
| Pyrene | 1 | ug/l | 2.1 | ND |

**Semivolatile Organics + 25 (625) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| **2-Propanol, 1-butoxy-** | **1** | **ug/l** | **5.14** | **9.4JB** |
| **TotalSemiVolatileTic** | **1** | **ug/l** | **NA** | **9.4J** |

**TAL Metals 200.7**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Aluminum | 1 | ug/l | 100 | ND |
| Barium | 1 | ug/l | 25 | ND |
| Calcium | 1 | ug/l | 1000 | ND |
| Chromium | 1 | ug/l | 25 | ND |
| Cobalt | 1 | ug/l | 10 | ND |
| Copper | 1 | ug/l | 25 | ND |
| Iron | 1 | ug/l | 150 | ND |
| Magnesium | 1 | ug/l | 1000 | ND |
| Manganese | 1 | ug/l | 25 | ND |
| Nickel | 1 | ug/l | 10 | ND |
| Potassium | 1 | ug/l | 2500 | ND |
| Selenium | 1 | ug/l | 25 | ND |
| Silver | 1 | ug/l | 10 | ND |
| Sodium | 1 | ug/l | 2500 | ND |
| Vanadium | 1 | ug/l | 25 | ND |
| Zinc | 1 | ug/l | 25 | ND |

**TAL Metals 200.8**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| Antimony | 1 | ug/l | 2.5 | ND |
| Arsenic | 1 | ug/l | 1.0 | ND |
| Beryllium | 1 | ug/l | 0.75 | ND |
| Cadmium | 1 | ug/l | 1.0 | ND |
| Lead | 1 | ug/l | 0.75 | ND |
| Thallium | 1 | ug/l | 1.5 | ND |

**Sample ID:** FB-10242013
**Lab#:** AC75362-010
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Volatile Organics + 10 (624)**

| Analyte | DF | Units | RL | Result |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2,2-Tetrachloroethane | 1 | ug/l | 1.0 | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1 | ug/l | 5.0 | ND |
| 1,1,2-Trichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND |
| 1,2,3-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2,4-Trichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromo-3-chloropropane | 1 | ug/l | 1.0 | ND |
| 1,2-Dibromoethane | 1 | ug/l | 1.0 | ND |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND |
| 1,2-Dichloropropane | 1 | ug/l | 1.0 | ND |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND |
| 1,4-Dioxane | 1 | ug/l | 50 | ND |
| 2-Butanone | 1 | ug/l | 1.0 | ND |
| 2-Hexanone | 1 | ug/l | 1.0 | ND |
| 4-Methyl-2-pentanone | 1 | ug/l | 1.0 | ND |
| Acetone | 1 | ug/l | 10 | ND |
| Benzene | 1 | ug/l | 0.50 | ND |
| Bromochloromethane | 1 | ug/l | 1.0 | ND |
| Bromodichloromethane | 1 | ug/l | 1.0 | ND |
| Bromoform | 1 | ug/l | 1.0 | ND |
| Bromomethane | 1 | ug/l | 1.0 | ND |
| Carbon disulfide | 1 | ug/l | 1.0 | ND |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND |
| Chlorobenzene | 1 | ug/l | 1.0 | ND |
| Chloroethane | 1 | ug/l | 1.0 | ND |
| Chloroform | 1 | ug/l | 1.0 | ND |
| Chloromethane | 1 | ug/l | 1.0 | ND |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| cis-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Cyclohexane | 1 | ug/l | 1.0 | ND |
| Dibromochloromethane | 1 | ug/l | 1.0 | ND |
| Dichlorodifluoromethane | 1 | ug/l | 1.0 | ND |
| Ethylbenzene | 1 | ug/l | 1.0 | ND |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND |
| Methyl Acetate | 1 | ug/l | 1.0 | ND |
| Methylcyclohexane | 1 | ug/l | 1.0 | ND |
| Methylene chloride | 1 | ug/l | 1.0 | ND |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND |
| o-Xylene | 1 | ug/l | 1.0 | ND |
| Styrene | 1 | ug/l | 1.0 | ND |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND |
| Toluene | 1 | ug/l | 1.0 | ND |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND |
| trans-1,3-Dichloropropene | 1 | ug/l | 1.0 | ND |
| Trichloroethene | 1 | ug/l | 1.0 | ND |
| Trichlorofluoromethane | 1 | ug/l | 1.0 | ND |
| Vinyl chloride | 1 | ug/l | 1.0 | ND |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND |

**Sample ID:** FB-10242013
**Lab#:** AC75362-010
**Matrix:** Aqueous

**Collection Date:** 10/24/2013
**Receipt Date:** 10/25/2013

**Volatile Organics + 10 (624) Library Searches**

| Analyte | DF | Units | RT | Result |
|---|---|---|---|---|
| No Unknown Compounds Detected | 1 | ug/l | NA | ND |
| TotalVolatileTic | 1 | ug/l | NA | ND |

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-001
Client Id: TB-10242013
Data File: 3M41579.D
Analysis Date: 10/29/13 11:00
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283324

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-001
Client Id: TB-10242013
Data File: 3M41579.D
Analysis Date: 10/29/13 11:00
Date Rec/Extracted: 10/25/13-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283324

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-002
Client Id: SW-15-10242013
Data File: 3M41631.D
Analysis Date: 10/30/13 00:38
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283362

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

***U - Indicates the compound was analyzed but not detected.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***E - Indicates the analyte concentration exceeds the calibration range of the instrument.***
***R - Retention Time Out***
***J - Indicates an estimated value when a compound is detected at less than the specified detection limit.***
***d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used***

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-002
Client Id: SW-15-10242013
Data File: 3M41631.D
Analysis Date: 10/30/13 00:38
Date Rec/Extracted: 10/25/13-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283362

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-003
Client Id: SW-4-10242013
Data File: 3M41632.D
Analysis Date: 10/30/13 00:53
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283324

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Number: | AC75362-003 | Matrix: | Aqueous |
| Client Id: | SW-4-10242013 | Initial Vol: | 5ml |
| Data File: | 3M41632.D | Final Vol: | NA |
| Analysis Date: | 10/30/13 00:53 | Dilution: | 1.00 |
| Date Rec/Extracted: | 10/25/13-NA | Solids: | |
| | | Method: | EPA 624 |

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283324

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-004
Client Id: SD-4-10242013
Data File: 6M03510.D
Analysis Date: 10/29/13 16:36
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 4.51g
Final Vol: NA
Dilution: 1.11
Solids: 61

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.0036 | U | 56-23-5 | Carbon Tetrachloride | 0.0036 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0036 | U | 108-90-7 | Chlorobenzene | 0.0036 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 0.0036 | U | 75-00-3 | Chloroethane | 0.0036 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0036 | U | 67-66-3 | Chloroform | 0.0036 | U |
| 75-34-3 | 1,1-Dichloroethane | 0.0036 | U | 74-87-3 | Chloromethane | 0.0036 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.0036 | U | 156-59-2 | cis-1,2-Dichloroethene | 0.0036 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0036 | U | 10061-01-5 | cis-1,3-Dichloropropene | 0.0036 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0036 | U | 110-82-7 | Cyclohexane | 0.0036 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 0.0036 | U | 124-48-1 | Dibromochloromethane | 0.0036 | U |
| 106-93-4 | 1,2-Dibromoethane | 0.0036 | U | 75-71-8 | Dichlorodifluoromethane | 0.0036 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0036 | U | 100-41-4 | Ethylbenzene | 0.0018 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.0018 | U | 98-82-8 | Isopropylbenzene | 0.0018 | U |
| 78-87-5 | 1,2-Dichloropropane | 0.0036 | U | 136777612 | m&p-Xylenes | 0.0018 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0036 | U | 79-20-9 | Methyl Acetate | 0.0036 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0036 | U | 108-87-2 | Methylcyclohexane | 0.0036 | U |
| 123-91-1 | 1,4-Dioxane | 0.18 | U | 75-09-2 | Methylene Chloride | 0.0036 | U |
| 78-93-3 | 2-Butanone | 0.0036 | U | 1634-04-4 | Methyl-t-butyl ether | 0.0018 | U |
| 591-78-6 | 2-Hexanone | 0.0036 | U | 95-47-6 | o-Xylene | 0.0018 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.0036 | U | 100-42-5 | Styrene | 0.0036 | U |
| 67-64-1 | Acetone | 0.018 | U | 127-18-4 | Tetrachloroethene | 0.0036 | U |
| 71-43-2 | Benzene | 0.0018 | U | 108-88-3 | Toluene | 0.0018 | U |
| 74-97-5 | Bromochloromethane | 0.0036 | U | 156-60-5 | trans-1,2-Dichloroethene | 0.0036 | U |
| 75-27-4 | Bromodichloromethane | 0.0036 | U | 10061-02-6 | trans-1,3-Dichloropropene | 0.0036 | U |
| 75-25-2 | Bromoform | 0.0036 | U | 79-01-6 | Trichloroethene | 0.0036 | U |
| 74-83-9 | Bromomethane | 0.0036 | U | 75-69-4 | Trichlorofluoromethane | 0.0036 | U |
| 75-15-0 | Carbon Disulfide | 0.0036 | U | 75-01-4 | Vinyl Chloride | 0.0036 | U |
| 1330-20-7 | Xylenes (Total) | 0.0018 | U | | | | |

Worksheet #: 283325

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-004
Client Id: SD-4-10242013
Data File: 6M03510.D
Analysis Date: 10/29/13 16:36
Date Rec/Extracted: 10/25/13-NA

Matrix: Soil
Initial Vol: 4.51g
Final Vol: NA
Dilution: 1.11
Solids: 61
Method: EPA 8260C

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 7.59 | 0.021 JB |
| 2 | | unknown | 9.28 | 0.022 JB |
| 3 | | unknown | 9.33 | 0.012 JB |

Worksheet #: 283325

***Total Tentativelv Identified Concentration*** 0.055

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-005
Client Id: SW-2-10242013
Data File: 3M41633.D
Analysis Date: 10/30/13 01:09
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283324

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Number: | AC75362-005 | Matrix: | Aqueous |
| Client Id: | SW-2-10242013 | Initial Vol: | 5ml |
| Data File: | 3M41633.D | Final Vol: | NA |
| Analysis Date: | 10/30/13 01:09 | Dilution: | 1.00 |
| Date Rec/Extracted: | 10/25/13-NA | Solids: | |
| | | Method: | EPA 624 |

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283324

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-006
Client Id: SD-2-10242013
Data File: 6M03511.D
Analysis Date: 10/29/13 16:52
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 4.98g
Final Vol: NA
Dilution: 1.00
Solids: 74

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.0027 | U | 56-23-5 | Carbon Tetrachloride | 0.0027 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0027 | U | 108-90-7 | Chlorobenzene | 0.0027 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 0.0027 | U | 75-00-3 | Chloroethane | 0.0027 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0027 | U | 67-66-3 | Chloroform | 0.0027 | U |
| 75-34-3 | 1,1-Dichloroethane | 0.0027 | U | 74-87-3 | Chloromethane | 0.0027 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.0027 | U | 156-59-2 | cis-1,2-Dichloroethene | 0.0027 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0027 | U | 10061-01-5 | cis-1,3-Dichloropropene | 0.0027 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0027 | U | 110-82-7 | Cyclohexane | 0.0027 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 0.0027 | U | 124-48-1 | Dibromochloromethane | 0.0027 | U |
| 106-93-4 | 1,2-Dibromoethane | 0.0027 | U | 75-71-8 | Dichlorodifluoromethane | 0.0027 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0027 | U | 100-41-4 | Ethylbenzene | 0.0014 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.0014 | U | 98-82-8 | Isopropylbenzene | 0.0014 | U |
| 78-87-5 | 1,2-Dichloropropane | 0.0027 | U | 136777612 | m&p-Xylenes | 0.0014 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0027 | U | 79-20-9 | Methyl Acetate | 0.0027 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0027 | U | 108-87-2 | Methylcyclohexane | 0.0027 | U |
| 123-91-1 | 1,4-Dioxane | 0.14 | U | 75-09-2 | Methylene Chloride | 0.0027 | U |
| 78-93-3 | 2-Butanone | 0.0027 | U | 1634-04-4 | Methyl-t-butyl ether | 0.0014 | U |
| 591-78-6 | 2-Hexanone | 0.0027 | U | 95-47-6 | o-Xylene | 0.0014 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.0027 | U | 100-42-5 | Styrene | 0.0027 | U |
| 67-64-1 | Acetone | 0.014 | U | 127-18-4 | Tetrachloroethene | 0.0027 | U |
| 71-43-2 | Benzene | 0.0014 | U | 108-88-3 | Toluene | 0.0014 | U |
| 74-97-5 | Bromochloromethane | 0.0027 | U | 156-60-5 | trans-1,2-Dichloroethene | 0.0027 | U |
| 75-27-4 | Bromodichloromethane | 0.0027 | U | 10061-02-6 | trans-1,3-Dichloropropene | 0.0027 | U |
| 75-25-2 | Bromoform | 0.0027 | U | 79-01-6 | Trichloroethene | 0.0027 | U |
| 74-83-9 | Bromomethane | 0.0027 | U | 75-69-4 | Trichlorofluoromethane | 0.0027 | U |
| 75-15-0 | Carbon Disulfide | 0.0027 | U | 75-01-4 | Vinyl Chloride | 0.0027 | U |
| 1330-20-7 | Xylenes (Total) | 0.0014 | U | | | | |

Worksheet #: 283325

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-006
Client Id: SD-2-10242013
Data File: 6M03511.D
Analysis Date: 10/29/13 16:52
Date Rec/Extracted: 10/25/13-NA

Matrix: Soil
Initial Vol: 4.98g
Final Vol: NA
Dilution: 1.00
Solids: 74
Method: EPA 8260C

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 7.60 | 0.013 JB |
| 2 | | unknown | 9.28 | 0.014 JB |

Worksheet #: 283325

***Total Tentatively Identified Concentration*** 0.027

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-007
Client Id: SD-3-10242013
Data File: 6M03512.D
Analysis Date: 10/29/13 17:09
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 4.93g
Final Vol: NA
Dilution: 1.01
Solids: 80

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.0025 | U | 56-23-5 | Carbon Tetrachloride | 0.0025 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0025 | U | 108-90-7 | Chlorobenzene | 0.0025 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 0.0025 | U | 75-00-3 | Chloroethane | 0.0025 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0025 | U | 67-66-3 | Chloroform | 0.0025 | U |
| 75-34-3 | 1,1-Dichloroethane | 0.0025 | U | 74-87-3 | Chloromethane | 0.0025 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.0025 | U | 156-59-2 | cis-1,2-Dichloroethene | 0.0025 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0025 | U | 10061-01-5 | cis-1,3-Dichloropropene | 0.0025 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0025 | U | 110-82-7 | Cyclohexane | 0.0025 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 0.0025 | U | 124-48-1 | Dibromochloromethane | 0.0025 | U |
| 106-93-4 | 1,2-Dibromoethane | 0.0025 | U | 75-71-8 | Dichlorodifluoromethane | 0.0025 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0025 | U | 100-41-4 | Ethylbenzene | 0.0013 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.0013 | U | 98-82-8 | Isopropylbenzene | 0.0013 | U |
| 78-87-5 | 1,2-Dichloropropane | 0.0025 | U | 136777612 | m&p-Xylenes | 0.0013 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0025 | U | 79-20-9 | Methyl Acetate | 0.0025 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0025 | U | 108-87-2 | Methylcyclohexane | 0.0025 | U |
| 123-91-1 | 1,4-Dioxane | 0.13 | U | 75-09-2 | Methylene Chloride | 0.0025 | U |
| 78-93-3 | 2-Butanone | 0.0025 | U | 1634-04-4 | Methyl-t-butyl ether | 0.0013 | U |
| 591-78-6 | 2-Hexanone | 0.0025 | U | 95-47-6 | o-Xylene | 0.0013 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.0025 | U | 100-42-5 | Styrene | 0.0025 | U |
| 67-64-1 | Acetone | 0.013 | U | 127-18-4 | Tetrachloroethene | 0.0025 | U |
| 71-43-2 | Benzene | 0.0013 | U | 108-88-3 | Toluene | 0.0013 | U |
| 74-97-5 | Bromochloromethane | 0.0025 | U | 156-60-5 | trans-1,2-Dichloroethene | 0.0025 | U |
| 75-27-4 | Bromodichloromethane | 0.0025 | U | 10061-02-6 | trans-1,3-Dichloropropene | 0.0025 | U |
| 75-25-2 | Bromoform | 0.0025 | U | 79-01-6 | Trichloroethene | 0.0025 | U |
| 74-83-9 | Bromomethane | 0.0025 | U | 75-69-4 | Trichlorofluoromethane | 0.0025 | U |
| 75-15-0 | Carbon Disulfide | 0.0025 | U | 75-01-4 | Vinyl Chloride | 0.0025 | U |
| 1330-20-7 | Xylenes (Total) | 0.0013 | U | | | | |

Worksheet #: 283325

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-007
Client Id: SD-3-10242013
Data File: 6M03512.D
Analysis Date: 10/29/13 17:09
Date Rec/Extracted: 10/25/13-NA

Matrix: Soil
Initial Vol: 4.93g
Final Vol: NA
Dilution: 1.01
Solids: 80
Method: EPA 8260C

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 74744-36-8 | 1-Dodecen-3-yne | 6.14 | 0.013 J |
| 2 | | unknown | 6.51 | 0.0075 J |
| 3 | 2867-05-2 | THUJENE | 6.60 | 0.020 J |
| 4 | | unknown | 6.90 | 0.0089 J |
| 5 | 127-91-3 | 2-.BETA.-PINENE | 6.95 | 0.045 J |
| 6 | 99-87-6 | Benzene, 1-methyl-4-(1-methylethyl)- | 7.27 | 0.031 J |
| 7 | | unknown | 9.28 | 0.013 JB |

Worksheet #: 283325

***Total Tentatively Identified Concentration*** 0.14

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-008
Client Id: SW-1-10242013
Data File: 3M41634.D
Analysis Date: 10/30/13 01:24
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283324

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Number: | AC75362-008 | Matrix: | Aqueous |
| Client Id: | SW-1-10242013 | Initial Vol: | 5ml |
| Data File: | 3M41634.D | Final Vol: | NA |
| Analysis Date: | 10/30/13 01:24 | Dilution: | 1.00 |
| Date Rec/Extracted: | 10/25/13-NA | Solids: | |
| | | Method: | EPA 624 |

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283324

***Total Tentativelv Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-009
Client Id: SD-1-10242013
Data File: 6M03513.D
Analysis Date: 10/29/13 17:25
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 4.66g
Final Vol: NA
Dilution: 1.07
Solids: 74

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.0029 | U | 56-23-5 | Carbon Tetrachloride | 0.0029 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0029 | U | 108-90-7 | Chlorobenzene | 0.0029 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 0.0029 | U | 75-00-3 | Chloroethane | 0.0029 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0029 | U | 67-66-3 | Chloroform | 0.0029 | U |
| 75-34-3 | 1,1-Dichloroethane | 0.0029 | U | 74-87-3 | Chloromethane | 0.0029 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.0029 | U | 156-59-2 | cis-1,2-Dichloroethene | 0.0029 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0029 | U | 10061-01-5 | cis-1,3-Dichloropropene | 0.0029 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0029 | U | 110-82-7 | Cyclohexane | 0.0029 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 0.0029 | U | 124-48-1 | Dibromochloromethane | 0.0029 | U |
| 106-93-4 | 1,2-Dibromoethane | 0.0029 | U | 75-71-8 | Dichlorodifluoromethane | 0.0029 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0029 | U | 100-41-4 | Ethylbenzene | 0.0015 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.0015 | U | 98-82-8 | Isopropylbenzene | 0.0015 | U |
| 78-87-5 | 1,2-Dichloropropane | 0.0029 | U | 136777612 | m&p-Xylenes | 0.0015 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0029 | U | 79-20-9 | Methyl Acetate | 0.0029 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0029 | U | 108-87-2 | Methylcyclohexane | 0.0029 | U |
| 123-91-1 | 1,4-Dioxane | 0.15 | U | 75-09-2 | Methylene Chloride | 0.0029 | U |
| 78-93-3 | 2-Butanone | 0.0029 | U | 1634-04-4 | Methyl-t-butyl ether | 0.0015 | U |
| 591-78-6 | 2-Hexanone | 0.0029 | U | 95-47-6 | o-Xylene | 0.0015 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.0029 | U | 100-42-5 | Styrene | 0.0029 | U |
| 67-64-1 | Acetone | 0.015 | U | 127-18-4 | Tetrachloroethene | 0.0029 | U |
| 71-43-2 | Benzene | 0.0015 | U | 108-88-3 | Toluene | 0.0015 | U |
| 74-97-5 | Bromochloromethane | 0.0029 | U | 156-60-5 | trans-1,2-Dichloroethene | 0.0029 | U |
| 75-27-4 | Bromodichloromethane | 0.0029 | U | 10061-02-6 | trans-1,3-Dichloropropene | 0.0029 | U |
| 75-25-2 | Bromoform | 0.0029 | U | 79-01-6 | Trichloroethene | 0.0029 | U |
| 74-83-9 | Bromomethane | 0.0029 | U | 75-69-4 | Trichlorofluoromethane | 0.0029 | U |
| 75-15-0 | Carbon Disulfide | 0.0029 | U | 75-01-4 | Vinyl Chloride | 0.0029 | U |
| 1330-20-7 | Xylenes (Total) | 0.0015 | U | | | | |

Worksheet #: 283325

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-009
Client Id: SD-1-10242013
Data File: 6M03513.D
Analysis Date: 10/29/13 17:25
Date Rec/Extracted: 10/25/13-NA

Matrix: Soil
Initial Vol: 4.66g
Final Vol: NA
Dilution: 1.07
Solids: 74
Method: EPA 8260C

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 7.60 | 0.021 JB |
| 2 | | unknown | 9.27 | 0.020 JB |

Worksheet #: 283325

***Total Tentatively Identified Concentration*** 0.041

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75362-010
Client Id: FB-10242013
Data File: 3M41578.D
Analysis Date: 10/29/13 10:44
Date Rec/Extracted: 10/25/13-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |
| 1330-20-7 | Xylenes (Total) | 1.0 | U | | | | |

Worksheet #: 283324

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-010
Client Id: FB-10242013
Data File: 3M41578.D
Analysis Date: 10/29/13 10:44
Date Rec/Extracted: 10/25/13-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283324

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 3M41572.D
Analysis Date: 10/29/13 09:04
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 56-23-5 | Carbon Tetrachloride | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 108-90-7 | Chlorobenzene | 1.0 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 5.0 | U | 75-00-3 | Chloroethane | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 67-66-3 | Chloroform | 1.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 74-87-3 | Chloromethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 156-59-2 | cis-1,2-Dichloroethene | 1.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.0 | U | 10061-01-5 | cis-1,3-Dichloropropene | 1.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 110-82-7 | Cyclohexane | 1.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 1.0 | U | 124-48-1 | Dibromochloromethane | 1.0 | U |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 75-71-8 | Dichlorodifluoromethane | 1.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 100-41-4 | Ethylbenzene | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 98-82-8 | Isopropylbenzene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 136777612 | m&p-Xylenes | 1.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 79-20-9 | Methyl Acetate | 1.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 108-87-2 | Methylcyclohexane | 1.0 | U |
| 123-91-1 | 1,4-Dioxane | 50 | U | 75-09-2 | Methylene Chloride | 1.0 | U |
| 78-93-3 | 2-Butanone | 1.0 | U | 1634-04-4 | Methyl-t-butyl ether | 0.50 | U |
| 591-78-6 | 2-Hexanone | 1.0 | U | 95-47-6 | o-Xylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1.0 | U | 100-42-5 | Styrene | 1.0 | U |
| 67-64-1 | Acetone | 10 | U | 127-18-4 | Tetrachloroethene | 1.0 | U |
| 71-43-2 | Benzene | 0.50 | U | 108-88-3 | Toluene | 1.0 | U |
| 74-97-5 | Bromochloromethane | 1.0 | U | 156-60-5 | trans-1,2-Dichloroethene | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | 10061-02-6 | trans-1,3-Dichloropropene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U | 79-01-6 | Trichloroethene | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U | 75-69-4 | Trichlorofluoromethane | 1.0 | U |
| 75-15-0 | Carbon Disulfide | 1.0 | U | 75-01-4 | Vinyl Chloride | 1.0 | U |

Worksheet #: 283324

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Number: | DAILY BLANK | Matrix: | Aqueous |
| Client Id: | | Initial Vol: | 5ml |
| Data File: | 3M41572.D | Final Vol: | NA |
| Analysis Date: | 10/29/13 09:04 | Dilution: | 1.00 |
| Date Rec/Extracted: | | Solids: | |
| | | Method: | EPA 624 |

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | No Unknown Compounds Detected | 0.00 | 0 J |

Worksheet #: 283324

***Total Tentatively Identified Concentration*** 0

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M03479.D
Analysis Date: 10/29/13 08:14
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 0.0020 | U | 56-23-5 | Carbon Tetrachloride | 0.0020 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0020 | U | 108-90-7 | Chlorobenzene | 0.0020 | U |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluor | 0.0020 | U | 75-00-3 | Chloroethane | 0.0020 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0020 | U | 67-66-3 | Chloroform | 0.0020 | U |
| 75-34-3 | 1,1-Dichloroethane | 0.0020 | U | 74-87-3 | Chloromethane | 0.0020 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.0020 | U | 156-59-2 | cis-1,2-Dichloroethene | 0.0020 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0020 | U | 10061-01-5 | cis-1,3-Dichloropropene | 0.0020 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0020 | U | 110-82-7 | Cyclohexane | 0.0020 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropa | 0.0020 | U | 124-48-1 | Dibromochloromethane | 0.0020 | U |
| 106-93-4 | 1,2-Dibromoethane | 0.0020 | U | 75-71-8 | Dichlorodifluoromethane | 0.0020 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0020 | U | 100-41-4 | Ethylbenzene | 0.0010 | U |
| 107-06-2 | 1,2-Dichloroethane | 0.0010 | U | 98-82-8 | Isopropylbenzene | 0.0010 | U |
| 78-87-5 | 1,2-Dichloropropane | 0.0020 | U | 136777612 | m&p-Xylenes | 0.0010 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0020 | U | 79-20-9 | Methyl Acetate | 0.0020 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0020 | U | 108-87-2 | Methylcyclohexane | 0.0020 | U |
| 123-91-1 | 1,4-Dioxane | 0.10 | U | 75-09-2 | Methylene Chloride | 0.0020 | U |
| 78-93-3 | 2-Butanone | 0.0020 | U | 1634-04-4 | Methyl-t-butyl ether | 0.0010 | U |
| 591-78-6 | 2-Hexanone | 0.0020 | U | 95-47-6 | o-Xylene | 0.0010 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.0020 | U | 100-42-5 | Styrene | 0.0020 | U |
| 67-64-1 | Acetone | 0.010 | U | 127-18-4 | Tetrachloroethene | 0.0020 | U |
| 71-43-2 | Benzene | 0.0010 | U | 108-88-3 | Toluene | 0.0010 | U |
| 74-97-5 | Bromochloromethane | 0.0020 | U | 156-60-5 | trans-1,2-Dichloroethene | 0.0020 | U |
| 75-27-4 | Bromodichloromethane | 0.0020 | U | 10061-02-6 | trans-1,3-Dichloropropene | 0.0020 | U |
| 75-25-2 | Bromoform | 0.0020 | U | 79-01-6 | Trichloroethene | 0.0020 | U |
| 74-83-9 | Bromomethane | 0.0020 | U | 75-69-4 | Trichlorofluoromethane | 0.0020 | U |
| 75-15-0 | Carbon Disulfide | 0.0020 | U | 75-01-4 | Vinyl Chloride | 0.0020 | U |

Worksheet #: 283325

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

# Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 6M03479.D
Analysis Date: 10/29/13 08:14
Date Rec/Extracted:

Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100
Method: EPA 8260C

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 7.58 | 0.013 J |
| 2 | | unknown | 7.64 | 0.0075 J |
| 3 | | unknown | 9.27 | 0.0075 J |
| 4 | | unknown | 9.32 | 0.0038 J |

Worksheet #: 283325

***Total Tentativelv Identified Concentration*** 0.032

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form3
# Recovery Data
## QC Batch: MBS31288

| | Data File | Sample ID: | Analysis Date |
|---|---|---|---|
| Spike or Dup: | 3M41639.D | AC75362-002(MS) | 10/30/2013 2:41:00 AM |
| Non Spike(If applicable): | 3M41631.D | AC75362-002 | 10/30/2013 12:38:00 A |
| Inst Blank(If applicable): | | | |

Method: 624 Matrix: Aqueous QC Type: MS

| Analyte: | Col | Spike Conc | Sample Conc | Expected Conc | Recovery | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|
| Chloromethane | 1 | 20.0167 | 0 | 20 | 100 | 1 | 273 |
| Bromomethane | 1 | 14.305 | 0 | 20 | 72 | 1 | 242 |
| Vinyl Chloride | 1 | 18.9769 | 0 | 20 | 95 | 1 | 251 |
| Chloroethane | 1 | 19.5022 | 0 | 20 | 98 | 14 | 230 |
| Trichlorofluoromethane | 1 | 18.6272 | 0 | 20 | 93 | 17 | 181 |
| Methylene Chloride | 1 | 15.7767 | 0 | 20 | 79 | 1 | 221 |
| 1,1-Dichloroethene | 1 | 17.254 | 0 | 20 | 86 | 1 | 234 |
| 1,1-Dichloroethane | 1 | 16.4394 | 0 | 20 | 82 | 59 | 155 |
| trans-1,2-Dichloroethene | 1 | 17.7362 | 0 | 20 | 89 | 54 | 156 |
| Chloroform | 1 | 16.4052 | 0 | 20 | 82 | 51 | 138 |
| 1,2-Dichloroethane | 1 | 18.1057 | 0 | 20 | 91 | 49 | 155 |
| 1,1,1-Trichloroethane | 1 | 16.9457 | 0 | 20 | 85 | 52 | 162 |
| Carbon Tetrachloride | 1 | 18.6545 | 0 | 20 | 93 | 70 | 140 |
| Bromodichloromethane | 1 | 18.4687 | 0 | 20 | 92 | 35 | 155 |
| 1,2-Dichloropropane | 1 | 16.704 | 0 | 20 | 84 | 1 | 210 |
| Trichloroethene | 1 | 16.6085 | 0 | 20 | 83 | 71 | 157 |
| Benzene | 1 | 17.8515 | 0 | 20 | 89 | 37 | 151 |
| Dibromochloromethane | 1 | 17.5618 | 0 | 20 | 88 | 53 | 149 |
| 2-Chloroethylvinylether | 1 | 0 | 0 | 20 | 0* | 1 | 305 |
| cis-1,3-Dichloropropene | 1 | 12.6851 | 0 | 20 | 63 | 1 | 227 |
| trans-1,3-Dichloropropene | 1 | 13.2799 | 0 | 20 | 66 | 17 | 183 |
| 1,1,2-Trichloroethane | 1 | 16.1934 | 0 | 20 | 81 | 52 | 150 |
| Tetrachloroethene | 1 | 18.1862 | 0 | 20 | 91 | 64 | 148 |
| Toluene | 1 | 16.271 | 0 | 20 | 81 | 47 | 150 |
| Chlorobenzene | 1 | 17.1397 | 0 | 20 | 86 | 37 | 160 |
| Bromoform | 1 | 15.5361 | 0 | 20 | 78 | 45 | 169 |
| Ethylbenzene | 1 | 16.9009 | 0 | 20 | 85 | 37 | 162 |
| 1,1,2,2-Tetrachloroethane | 1 | 15.4624 | 0 | 20 | 77 | 46 | 157 |
| 1,3-Dichlorobenzene | 1 | 15.5419 | 0 | 20 | 78 | 59 | 156 |
| 1,4-Dichlorobenzene | 1 | 15.0769 | 0 | 20 | 75 | 18 | 190 |
| 1,2-Dichlorobenzene | 1 | 15.0907 | 0 | 20 | 75 | 18 | 190 |

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

# Form3
# Recovery Data
## QC Batch: MBS31288

| | Data File | Sample ID: | Analysis Date |
|---|---|---|---|
| Spike or Dup: | 3M41640.D | AC75362-002(MSD) | 10/30/2013 2:57:00 AM |
| Non Spike(If applicable): | 3M41631.D | AC75362-002 | 10/30/2013 12:38:00 A |
| Inst Blank(If applicable): | | | |

Method: 624 | Matrix: Aqueous | QC Type: MSD

| Analyte: | Col | Spike Conc | Sample Conc | Expected Conc | Recovery | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|
| Chloromethane | 1 | 20.9789 | 0 | 20 | 105 | 1 | 273 |
| Bromomethane | 1 | 19.7471 | 0 | 20 | 99 | 1 | 242 |
| Vinyl Chloride | 1 | 18.504 | 0 | 20 | 93 | 1 | 251 |
| Chloroethane | 1 | 23.6165 | 0 | 20 | 118 | 14 | 230 |
| Trichlorofluoromethane | 1 | 20.9343 | 0 | 20 | 105 | 17 | 181 |
| Methylene Chloride | 1 | 16.9736 | 0 | 20 | 85 | 1 | 221 |
| 1,1-Dichloroethene | 1 | 18.5738 | 0 | 20 | 93 | 1 | 234 |
| 1,1-Dichloroethane | 1 | 17.6889 | 0 | 20 | 88 | 59 | 155 |
| trans-1,2-Dichloroethene | 1 | 18.4344 | 0 | 20 | 92 | 54 | 156 |
| Chloroform | 1 | 18.4808 | 0 | 20 | 92 | 51 | 138 |
| 1,2-Dichloroethane | 1 | 19.3145 | 0 | 20 | 97 | 49 | 155 |
| 1,1,1-Trichloroethane | 1 | 18.1549 | 0 | 20 | 91 | 52 | 162 |
| Carbon Tetrachloride | 1 | 20.4151 | 0 | 20 | 102 | 70 | 140 |
| Bromodichloromethane | 1 | 19.847 | 0 | 20 | 99 | 35 | 155 |
| 1,2-Dichloropropane | 1 | 18.1403 | 0 | 20 | 91 | 1 | 210 |
| Trichloroethene | 1 | 18.5688 | 0 | 20 | 93 | 71 | 157 |
| Benzene | 1 | 19.1476 | 0 | 20 | 96 | 37 | 151 |
| Dibromochloromethane | 1 | 18.3333 | 0 | 20 | 92 | 53 | 149 |
| 2-Chloroethylvinylether | 1 | 0 | 0 | 20 | 0* | 1 | 305 |
| cis-1,3-Dichloropropene | 1 | 12.7477 | 0 | 20 | 64 | 1 | 227 |
| trans-1,3-Dichloropropene | 1 | 13.749 | 0 | 20 | 69 | 17 | 183 |
| 1,1,2-Trichloroethane | 1 | 16.2721 | 0 | 20 | 81 | 52 | 150 |
| Tetrachloroethene | 1 | 18.6734 | 0 | 20 | 93 | 64 | 148 |
| Toluene | 1 | 16.8638 | 0 | 20 | 84 | 47 | 150 |
| Chlorobenzene | 1 | 17.7963 | 0 | 20 | 89 | 37 | 160 |
| Bromoform | 1 | 16.5558 | 0 | 20 | 83 | 45 | 169 |
| Ethylbenzene | 1 | 17.9254 | 0 | 20 | 90 | 37 | 162 |
| 1,1,2,2-Tetrachloroethane | 1 | 15.8581 | 0 | 20 | 79 | 46 | 157 |
| 1,3-Dichlorobenzene | 1 | 16.5647 | 0 | 20 | 83 | 59 | 156 |
| 1,4-Dichlorobenzene | 1 | 15.8474 | 0 | 20 | 79 | 18 | 190 |
| 1,2-Dichlorobenzene | 1 | 15.9752 | 0 | 20 | 80 | 18 | 190 |

* - Indicates outside of limits  # - Indicates outside of standard limits but within method exceedance limits

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75362-002
Client Id: SW-15-10242013
Data File: 10M40859.D
Analysis Date: 10/31/13 09:42
Date Rec/Extracted: 10/25/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.50 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.50 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | 105-60-2 | Caprolactam | 2.0 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.50 | U |
| 95-48-7 | 2-Methylphenol | 0.50 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.50 | U |
| 106-44-5 | 3&4-Methylphenol | 0.50 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 2.0 | U |
| 106-47-8 | 4-Chloroaniline | 0.50 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.50 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.50 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |

Worksheet #: 283277

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-002
Client Id: SW-15-10242013
Data File: 10M40859.D
Analysis Date: 10/31/13 09:42
Date Rec/Extracted: 10/25/13-10/30/13

Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids:
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.16 | 15 JB |
| 2 | 630-06-8 | Hexatriacontane | 11.22 | 5.9 J |
| 3 | 112-95-8 | Eicosane | 13.35 | 8.3 J |
| 4 | 629-92-5 | Nonadecane | 15.55 | 4.1 J |

Worksheet #: 283277

***Total Tentatively Identified Concentration*** 33

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75362-003
Client Id: SW-4-10242013
Data File: 10M40896.D
Analysis Date: 11/01/13 11:53
Date Rec/Extracted: 10/25/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 990ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.51 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.51 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | 105-60-2 | Caprolactam | 2.0 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.51 | U |
| 95-48-7 | 2-Methylphenol | 0.51 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.51 | U |
| 106-44-5 | 3&4-Methylphenol | 0.51 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 2.0 | U |
| 106-47-8 | 4-Chloroaniline | 0.51 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.51 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.51 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |

Worksheet #: 283277

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea*
*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Number: | AC75362-003 | Matrix: | Aqueous |
| Client Id: | SW-4-10242013 | Initial Vol: | 990ml |
| Data File: | 10M40896.D | Final Vol: | 1ml |
| Analysis Date: | 11/01/13 11:53 | Dilution: | 1 |
| Date Rec/Extracted: | 10/25/13-10/30/13 | Solids: | |
| | | Method: | EPA 625 |

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.16 | 9.5 JB |

Worksheet #: 283277

***Total Tentativelv Identified Concentration*** 9.5

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75362-004
Client Id: SD-4-10242013
Data File: 7M60823.D
Analysis Date: 11/05/13 12:56
Date Rec/Extracted: 10/25/13-11/04/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 61

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 0.11 | U | **205-99-2** | **Benzo[b]fluoranthene** | **0.11** | **0.13** |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 0.11 | U | 191-24-2 | Benzo[g,h,i]perylene | 0.11 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.11 | U | 207-08-9 | Benzo[k]fluoranthene | 0.11 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.11 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 0.11 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.11 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.027 | U |
| 120-83-2 | 2,4-Dichlorophenol | 0.027 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 0.11 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.027 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 0.11 | U |
| 51-28-5 | 2,4-Dinitrophenol | 0.55 | U | 85-68-7 | Butylbenzylphthalate | 0.11 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 0.11 | U | 105-60-2 | Caprolactam | 0.11 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 0.11 | U | 86-74-8 | Carbazole | 0.11 | U |
| 91-58-7 | 2-Chloronaphthalene | 0.11 | U | 218-01-9 | Chrysene | 0.11 | U |
| 95-57-8 | 2-Chlorophenol | 0.11 | U | 53-70-3 | Dibenzo[a,h]anthracene | 0.11 | U |
| 91-57-6 | 2-Methylnaphthalene | 0.11 | U | 132-64-9 | Dibenzofuran | 0.027 | U |
| 95-48-7 | 2-Methylphenol | 0.027 | U | 84-66-2 | Diethylphthalate | 0.11 | U |
| 88-74-4 | 2-Nitroaniline | 0.11 | U | 131-11-3 | Dimethylphthalate | 0.11 | U |
| 88-75-5 | 2-Nitrophenol | 0.11 | U | 84-74-2 | Di-n-butylphthalate | 0.055 | U |
| 106-44-5 | 3&4-Methylphenol | 0.027 | U | 117-84-0 | Di-n-octylphthalate | 0.11 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 0.11 | U | **206-44-0** | **Fluoranthene** | **0.11** | **0.14** |
| 99-09-2 | 3-Nitroaniline | 0.11 | U | 86-73-7 | Fluorene | 0.11 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.55 | U | 118-74-1 | Hexachlorobenzene | 0.11 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.11 | U | 87-68-3 | Hexachlorobutadiene | 0.11 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.11 | U | 77-47-4 | Hexachlorocyclopentadiene | 0.11 | U |
| 106-47-8 | 4-Chloroaniline | 0.052 | U | 67-72-1 | Hexachloroethane | 0.11 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.11 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 0.11 | U |
| 100-01-6 | 4-Nitroaniline | 0.11 | U | 78-59-1 | Isophorone | 0.11 | U |
| 100-02-7 | 4-Nitrophenol | 0.11 | U | 91-20-3 | Naphthalene | 0.027 | U |
| 83-32-9 | Acenaphthene | 0.11 | U | 98-95-3 | Nitrobenzene | 0.11 | U |
| 208-96-8 | Acenaphthylene | 0.11 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.027 | U |
| 98-86-2 | Acetophenone | 0.11 | U | 86-30-6 | n-Nitrosodiphenylamine | 0.11 | U |
| 120-12-7 | Anthracene | 0.11 | U | 87-86-5 | Pentachlorophenol | 0.55 | U |
| 1912-24-9 | Atrazine | 0.11 | U | 85-01-8 | Phenanthrene | 0.11 | U |
| 100-52-7 | Benzaldehyde | 0.11 | U | 108-95-2 | Phenol | 0.11 | U |
| 56-55-3 | Benzo[a]anthracene | 0.11 | U | **129-00-0** | **Pyrene** | **0.11** | **0.16** |
| 50-32-8 | Benzo[a]pyrene | 0.11 | U | | | | |

Worksheet #: 283275

***Total Target Concentration*** 0.43

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-004
Client Id: SD-4-10242013
Data File: 7M60823.D
Analysis Date: 11/05/13 12:56
Date Rec/Extracted: 10/25/13-11/04/13

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 61
Method: EPA 8270D

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 4.16 | 1.5 JB |
| 2 | 123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 4.40 | 140 JAB |
| 3 | 57-10-3 | Hexadecanoic acid | 9.97 | 0.59 J |
| 4 | | unknown | 12.67 | 0.57 J |
| 5 | 593-49-7 | Heptacosane | 13.05 | 0.80 J |
| 6 | 630-03-5 | Nonacosane | 13.79 | 1.6 J |
| 7 | 6785-23-5 | Cyclopentane, undecyl- | 13.83 | 0.46 J |
| 8 | 638-66-4 | Octadecanal | 14.31 | 0.71 J |
| 9 | 54833-48-6 | Heptadecane, 2,6,10,15-tetramethyl- | 14.51 | 0.59 J |
| 10 | 59-02-9 | Vitamin E | 14.70 | 1.1 J |
| 11 | 57-88-5 | Cholest-5-en-3-ol (3.beta.)- | 14.78 | 0.47 J |
| 12 | 629-80-1 | Hexadecanal | 15.13 | 0.51 J |
| 13 | | unknown | 15.36 | 0.67 J |
| 14 | 83-47-6 | Stigmast-5-en-3-ol, (3.beta.,24S)- | 15.67 | 5.6 J |
| 15 | | unknown | 15.75 | 0.43 J |
| 16 | 74447-84-0 | 3-Chloro-4'-methoxybiphenyl | 15.79 | 1.3 J |
| 17 | 83-46-5 | 5.ALPHA.-STIGMAST-3-ONE | 15.94 | 0.90 J |
| 18 | 559-70-6 | .beta.-Amyrin | 15.98 | 2.8 J |
| 19 | 10219-75-7 | Eremophilene | 16.05 | 1.8 J |

Worksheet #: 283275

***Total Tentatively Identified Concentration*** 160

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75362-005
Client Id: SW-2-10242013
Data File: 9M53619.D
Analysis Date: 10/31/13 15:37
Date Rec/Extracted: 10/25/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.50 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.50 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | 105-60-2 | Caprolactam | 2.0 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.50 | U |
| 95-48-7 | 2-Methylphenol | 0.50 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.50 | U |
| 106-44-5 | 3&4-Methylphenol | 0.50 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 0.50 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.50 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.50 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |

Worksheet #: 283277

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Number: | AC75362-005 | Matrix: | Aqueous |
| Client Id: | SW-2-10242013 | Initial Vol: | 1000ml |
| Data File: | 9M53619.D | Final Vol: | 1ml |
| Analysis Date: | 10/31/13 15:37 | Dilution: | 1 |
| Date Rec/Extracted: | 10/25/13-10/30/13 | Solids: | |
| | | Method: | EPA 625 |

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.14 | 9.8 JB |

Worksheet #: 283277

***Total Tentatively Identified Concentration*** 9.8

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75362-006
Client Id: SD-2-10242013
Data File: 7M60822.D
Analysis Date: 11/05/13 12:34
Date Rec/Extracted: 10/25/13-11/04/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 74

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 0.045 | U | 205-99-2 | Benzo[b]fluoranthene | 0.045 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 0.045 | U | 191-24-2 | Benzo[g,h,i]perylene | 0.045 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.045 | U | 207-08-9 | Benzo[k]fluoranthene | 0.045 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.045 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 0.045 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.045 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.011 | U |
| 120-83-2 | 2,4-Dichlorophenol | 0.011 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 0.045 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.011 | U | **117-81-7** | **bis(2-Ethylhexyl)phthalate** | **0.045** | **0.055** |
| 51-28-5 | 2,4-Dinitrophenol | 0.23 | U | 85-68-7 | Butylbenzylphthalate | 0.045 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 0.045 | U | 105-60-2 | Caprolactam | 0.045 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 0.045 | U | 86-74-8 | Carbazole | 0.045 | U |
| 91-58-7 | 2-Chloronaphthalene | 0.045 | U | 218-01-9 | Chrysene | 0.045 | U |
| 95-57-8 | 2-Chlorophenol | 0.045 | U | 53-70-3 | Dibenzo[a,h]anthracene | 0.045 | U |
| 91-57-6 | 2-Methylnaphthalene | 0.045 | U | 132-64-9 | Dibenzofuran | 0.011 | U |
| 95-48-7 | 2-Methylphenol | 0.011 | U | 84-66-2 | Diethylphthalate | 0.045 | U |
| 88-74-4 | 2-Nitroaniline | 0.045 | U | 131-11-3 | Dimethylphthalate | 0.045 | U |
| 88-75-5 | 2-Nitrophenol | 0.045 | U | **84-74-2** | **Di-n-butylphthalate** | **0.023** | **0.023** |
| 106-44-5 | 3&4-Methylphenol | 0.011 | U | 117-84-0 | Di-n-octylphthalate | 0.045 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 0.045 | U | 206-44-0 | Fluoranthene | 0.045 | U |
| 99-09-2 | 3-Nitroaniline | 0.045 | U | 86-73-7 | Fluorene | 0.045 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.23 | U | 118-74-1 | Hexachlorobenzene | 0.045 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.045 | U | 87-68-3 | Hexachlorobutadiene | 0.045 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.045 | U | 77-47-4 | Hexachlorocyclopentadiene | 0.045 | U |
| 106-47-8 | 4-Chloroaniline | 0.021 | U | 67-72-1 | Hexachloroethane | 0.045 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.045 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 0.045 | U |
| 100-01-6 | 4-Nitroaniline | 0.045 | U | 78-59-1 | Isophorone | 0.045 | U |
| 100-02-7 | 4-Nitrophenol | 0.045 | U | 91-20-3 | Naphthalene | 0.011 | U |
| 83-32-9 | Acenaphthene | 0.045 | U | 98-95-3 | Nitrobenzene | 0.045 | U |
| 208-96-8 | Acenaphthylene | 0.045 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.011 | U |
| 98-86-2 | Acetophenone | 0.045 | U | 86-30-6 | n-Nitrosodiphenylamine | 0.045 | U |
| 120-12-7 | Anthracene | 0.045 | U | 87-86-5 | Pentachlorophenol | 0.23 | U |
| 1912-24-9 | Atrazine | 0.045 | U | 85-01-8 | Phenanthrene | 0.045 | U |
| 100-52-7 | Benzaldehyde | 0.045 | U | 108-95-2 | Phenol | 0.045 | U |
| 56-55-3 | Benzo[a]anthracene | 0.045 | U | 129-00-0 | Pyrene | 0.045 | U |
| 50-32-8 | Benzo[a]pyrene | 0.045 | U | | | | |

Worksheet #: 283275

***Total Target Concentration*** 0.078

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-006
Client Id: SD-2-10242013
Data File: 7M60822.D
Analysis Date: 11/05/13 12:34
Date Rec/Extracted: 10/25/13-11/04/13

Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 74
Method: EPA 8270D

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 3.54 | 0.27 J |
| 2 | | unknown | 4.18 | 1.2 JB |
| 3 | 123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 4.43 | 110 JAB |
| 4 | | unknown | 4.92 | 0.26 JB |
| 5 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.08 | 0.24 JB |
| 6 | 102-76-1 | 1,2,3-Propanetriol, triacetate | 7.10 | 0.52 J |
| 7 | 150-86-7 | 2-Hexadecen-1-ol, 3,7,11,15-tetramethyl | 11.09 | 0.31 J |
| 8 | | unknown | 12.71 | 0.28 J |
| 9 | 593-49-7 | Heptacosane | 13.05 | 0.78 J |
| 10 | 62199-51-3 | Cyclopentane, 1-pentyl-2-propyl- | 13.40 | 0.28 J |
| 11 | 638-66-4 | Octadecanal | 13.56 | 0.36 J |
| 12 | 630-03-5 | Nonacosane | 13.77 | 0.84 J |
| 13 | 638-66-4 | Octadecanal | 14.29 | 0.32 J |
| 14 | | unknown | 14.57 | 0.40 J |
| 15 | 59-02-9 | Vitamin E | 14.67 | 0.45 J |
| 16 | 57-88-5 | Cholest-5-en-3-ol (3.beta.)- | 14.76 | 0.28 J |
| 17 | 83-47-6 | Stigmast-5-en-3-ol, (3.beta.,24S)- | 15.64 | 1.2 J |
| 18 | | unknown | 15.76 | 0.33 J |
| 19 | 83-46-5 | 5.ALPHA.-STIGMAST-3-ONE | 15.91 | 0.25 J |
| 20 | 471-68-1 | Olean-12-ene | 16.03 | 0.32 J |

Worksheet #: 283275

***Total Tentatively Identified Concentration*** 120

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75362-007
Client Id: SD-3-10242013
Data File: 7M60824.D
Analysis Date: 11/05/13 13:19
Date Rec/Extracted: 10/25/13-11/04/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 80

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 0.083 | U | **205-99-2** | **Benzo[b]fluoranthene** | **0.083** | **1.1** |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 0.083 | U | **191-24-2** | **Benzo[g,h,i]perylene** | **0.083** | **0.49** |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.083 | U | **207-08-9** | **Benzo[k]fluoranthene** | **0.083** | **0.32** |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.083 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 0.083 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.083 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.021 | U |
| 120-83-2 | 2,4-Dichlorophenol | 0.021 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 0.083 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.021 | U | **117-81-7** | **bis(2-Ethylhexyl)phthalate** | **0.083** | **0.12** |
| 51-28-5 | 2,4-Dinitrophenol | 0.42 | U | 85-68-7 | Butylbenzylphthalate | 0.083 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 0.083 | U | 105-60-2 | Caprolactam | 0.083 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 0.083 | U | **86-74-8** | **Carbazole** | **0.083** | **0.11** |
| 91-58-7 | 2-Chloronaphthalene | 0.083 | U | **218-01-9** | **Chrysene** | **0.083** | **0.80** |
| 95-57-8 | 2-Chlorophenol | 0.083 | U | **53-70-3** | **Dibenzo[a,h]anthracene** | **0.083** | **0.15** |
| 91-57-6 | 2-Methylnaphthalene | 0.083 | U | 132-64-9 | Dibenzofuran | 0.021 | U |
| 95-48-7 | 2-Methylphenol | 0.021 | U | 84-66-2 | Diethylphthalate | 0.083 | U |
| 88-74-4 | 2-Nitroaniline | 0.083 | U | 131-11-3 | Dimethylphthalate | 0.083 | U |
| 88-75-5 | 2-Nitrophenol | 0.083 | U | **84-74-2** | **Di-n-butylphthalate** | **0.042** | **0.046** |
| 106-44-5 | 3&4-Methylphenol | 0.021 | U | 117-84-0 | Di-n-octylphthalate | 0.083 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 0.083 | U | **206-44-0** | **Fluoranthene** | **0.083** | **1.3** |
| 99-09-2 | 3-Nitroaniline | 0.083 | U | 86-73-7 | Fluorene | 0.083 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.42 | U | 118-74-1 | Hexachlorobenzene | 0.083 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.083 | U | 87-68-3 | Hexachlorobutadiene | 0.083 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.083 | U | 77-47-4 | Hexachlorocyclopentadiene | 0.083 | U |
| 106-47-8 | 4-Chloroaniline | 0.040 | U | 67-72-1 | Hexachloroethane | 0.083 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.083 | U | **193-39-5** | **Indeno[1,2,3-cd]pyrene** | **0.083** | **0.45** |
| 100-01-6 | 4-Nitroaniline | 0.083 | U | 78-59-1 | Isophorone | 0.083 | U |
| 100-02-7 | 4-Nitrophenol | 0.083 | U | 91-20-3 | Naphthalene | 0.021 | U |
| **83-32-9** | **Acenaphthene** | **0.083** | **0.085** | 98-95-3 | Nitrobenzene | 0.083 | U |
| 208-96-8 | Acenaphthylene | 0.083 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.021 | U |
| 98-86-2 | Acetophenone | 0.083 | U | 86-30-6 | n-Nitrosodiphenylamine | 0.083 | U |
| **120-12-7** | **Anthracene** | **0.083** | **0.14** | 87-86-5 | Pentachlorophenol | 0.42 | U |
| 1912-24-9 | Atrazine | 0.083 | U | **85-01-8** | **Phenanthrene** | **0.083** | **0.66** |
| **100-52-7** | **Benzaldehyde** | **0.083** | **0.28** | 108-95-2 | Phenol | 0.083 | U |
| **56-55-3** | **Benzo[a]anthracene** | **0.083** | **0.75** | **129-00-0** | **Pyrene** | **0.083** | **1.2** |
| **50-32-8** | **Benzo[a]pyrene** | **0.083** | **0.65** | | | | |

Worksheet #: 283275

***Total Target Concentration*** 8.7

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-007
Client Id: SD-3-10242013
Data File: 7M60824.D
Analysis Date: 11/05/13 13:19
Date Rec/Extracted: 10/25/13-11/04/13

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 80
Method: EPA 8270D

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 3.53 | 0.32 J |
| 2 | | unknown | 4.16 | 1.1 JB |
| 3 | 123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 4.40 | 100 JAB |
| 4 | 95338-36-6 | (+-)-15-Hexadecanolide | 9.89 | 0.56 J |
| 5 | | unknown | 9.93 | 0.35 J |
| 6 | | unknown | 10.80 | 0.58 J |
| 7 | | unknown | 12.71 | 1.0 J |
| 8 | 3351-28-8 | Chrysene, 1-methyl- | 12.84 | 0.33 J |
| 9 | 59681-06-0 | 10-DEMETHYLSQUALENE | 13.48 | 0.41 J |
| 10 | 629-92-5 | Nonadecane | 13.78 | 0.68 J |
| 11 | 192-97-2 | Benzo[e]pyrene | 13.87 | 0.77 J |
| 12 | 593-45-3 | Octadecane | 14.49 | 0.44 J |
| 13 | 59-02-9 | Vitamin E | 14.68 | 0.33 J |
| 14 | 57-88-5 | Cholest-5-en-3-ol (3.beta.)- | 14.76 | 0.39 J |
| 15 | | unknown | 14.94 | 0.56 J |
| 16 | | unknown | 15.35 | 0.74 J |
| 17 | 83-47-6 | Stigmast-5-en-3-ol, (3.beta.,24S)- | 15.65 | 2.2 J |
| 18 | 59461-38-0 | (24S)-5.ALPHA.-ERGOSTAN-3-ONE | 15.92 | 0.46 J |
| 19 | | unknown | 15.96 | 0.38 J |
| 20 | | unknown | 16.01 | 0.45 J |

Worksheet #: 283275

***Total Tentatively Identified Concentration*** 110

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75362-008
Client Id: SW-1-10242013
Data File: 9M53620.D
Analysis Date: 10/31/13 16:00
Date Rec/Extracted: 10/25/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.50 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.50 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | 105-60-2 | Caprolactam | 2.0 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.50 | U |
| 95-48-7 | 2-Methylphenol | 0.50 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.50 | U |
| 106-44-5 | 3&4-Methylphenol | 0.50 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 0.50 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.50 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.50 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |

Worksheet #: 283277

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

***U - Indicates the compound was analyzed but not detected.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***E - Indicates the analyte concentration exceeds the calibration range of the instrument.***
***R - Retention Time Out***
***J - Indicates an estimated value when a compound is detected at less than the specified detection limit.***
***d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used***

***N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine***

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

| | | | |
|---|---|---|---|
| Sample Number: | AC75362-008 | Matrix: | Aqueous |
| Client Id: | SW-1-10242013 | Initial Vol: | 1000ml |
| Data File: | 9M53620.D | Final Vol: | 1ml |
| Analysis Date: | 10/31/13 16:00 | Dilution: | 1 |
| Date Rec/Extracted: | 10/25/13-10/30/13 | Solids: | |
| | | Method: | EPA 625 |

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.14 | 7.4 JB |

Worksheet #: 283277

***Total Tentatively Identified Concentration*** 7.4

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75362-009
Client Id: SD-1-10242013
Data File: 7M60821.D
Analysis Date: 11/05/13 12:11
Date Rec/Extracted: 10/25/13-11/04/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 74

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 0.045 | U | **205-99-2** | **Benzo[b]fluoranthene** | **0.045** | **0.049** |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 0.045 | U | 191-24-2 | Benzo[g,h,i]perylene | 0.045 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.045 | U | 207-08-9 | Benzo[k]fluoranthene | 0.045 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.045 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 0.045 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.045 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.011 | U |
| 120-83-2 | 2,4-Dichlorophenol | 0.011 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 0.045 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.011 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 0.045 | U |
| 51-28-5 | 2,4-Dinitrophenol | 0.23 | U | 85-68-7 | Butylbenzylphthalate | 0.045 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 0.045 | U | 105-60-2 | Caprolactam | 0.045 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 0.045 | U | 86-74-8 | Carbazole | 0.045 | U |
| 91-58-7 | 2-Chloronaphthalene | 0.045 | U | 218-01-9 | Chrysene | 0.045 | U |
| 95-57-8 | 2-Chlorophenol | 0.045 | U | 53-70-3 | Dibenzo[a,h]anthracene | 0.045 | U |
| 91-57-6 | 2-Methylnaphthalene | 0.045 | U | 132-64-9 | Dibenzofuran | 0.011 | U |
| 95-48-7 | 2-Methylphenol | 0.011 | U | 84-66-2 | Diethylphthalate | 0.045 | U |
| 88-74-4 | 2-Nitroaniline | 0.045 | U | 131-11-3 | Dimethylphthalate | 0.045 | U |
| 88-75-5 | 2-Nitrophenol | 0.045 | U | 84-74-2 | Di-n-butylphthalate | 0.023 | U |
| 106-44-5 | 3&4-Methylphenol | 0.011 | U | 117-84-0 | Di-n-octylphthalate | 0.045 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 0.045 | U | 206-44-0 | Fluoranthene | 0.045 | U |
| 99-09-2 | 3-Nitroaniline | 0.045 | U | 86-73-7 | Fluorene | 0.045 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.23 | U | 118-74-1 | Hexachlorobenzene | 0.045 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.045 | U | 87-68-3 | Hexachlorobutadiene | 0.045 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.045 | U | 77-47-4 | Hexachlorocyclopentadiene | 0.045 | U |
| 106-47-8 | 4-Chloroaniline | 0.021 | U | 67-72-1 | Hexachloroethane | 0.045 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.045 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 0.045 | U |
| 100-01-6 | 4-Nitroaniline | 0.045 | U | 78-59-1 | Isophorone | 0.045 | U |
| 100-02-7 | 4-Nitrophenol | 0.045 | U | 91-20-3 | Naphthalene | 0.011 | U |
| 83-32-9 | Acenaphthene | 0.045 | U | 98-95-3 | Nitrobenzene | 0.045 | U |
| 208-96-8 | Acenaphthylene | 0.045 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.011 | U |
| 98-86-2 | Acetophenone | 0.045 | U | 86-30-6 | n-Nitrosodiphenylamine | 0.045 | U |
| 120-12-7 | Anthracene | 0.045 | U | 87-86-5 | Pentachlorophenol | 0.23 | U |
| 1912-24-9 | Atrazine | 0.045 | U | 85-01-8 | Phenanthrene | 0.045 | U |
| 100-52-7 | Benzaldehyde | 0.045 | U | 108-95-2 | Phenol | 0.045 | U |
| 56-55-3 | Benzo[a]anthracene | 0.045 | U | **129-00-0** | **Pyrene** | **0.045** | **0.048** |
| 50-32-8 | Benzo[a]pyrene | 0.045 | U | | | | |

Worksheet #: 283275

***Total Target Concentration*** 0.097

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-009
Client Id: SD-1-10242013
Data File: 7M60821.D
Analysis Date: 11/05/13 12:11
Date Rec/Extracted: 10/25/13-11/04/13

Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 74
Method: EPA 8270D

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 4.19 | 1.4 JB |
| 2 | 123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 4.43 | 120 JAB |
| 3 | | unknown | 4.92 | 0.31 JB |
| 4 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.08 | 0.29 JB |
| 5 | 103-93-5 | Propanoic acid, 2-methyl-, 4-methylphen | 9.58 | 0.63 J |
| 6 | 57-10-3 | Hexadecanoic acid | 9.97 | 0.24 J |
| 7 | | unknown | 10.75 | 0.36 J |
| 8 | 63518-72-9 | Androst-5-en-3.beta.-ol | 13.02 | 0.26 J |
| 9 | 630-03-5 | Nonacosane | 13.79 | 0.55 J |
| 10 | 56554-90-6 | 13-Octadecenal | 14.31 | 0.28 J |
| 11 | 638-67-5 | Tricosane | 14.50 | 0.27 J |
| 12 | 59-02-9 | Vitamin E | 14.69 | 0.88 J |
| 13 | 4651-51-8 | Ergost-5-en-3-ol, (3.beta.)- | 15.25 | 0.42 J |
| 14 | 83-48-7 | Stigmasta-5,22-dien-3-ol, (3.beta.,22E)- | 15.36 | 0.77 J |
| 15 | | unknown | 15.49 | 0.31 J |
| 16 | 83-47-6 | Stigmast-5-en-3-ol, (3.beta.,24S)- | 15.67 | 4.1 J |
| 17 | | unknown | 15.75 | 0.34 J |
| 18 | | unknown | 15.89 | 0.24 J |
| 19 | 83-46-5 | 5.ALPHA.-STIGMAST-3-ONE | 15.94 | 0.71 J |
| 20 | 6831-17-0 | Aristolone | 15.99 | 1.1 J |

Worksheet #: 283275

***Total Tentatively Identified Concentration*** 130

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC75362-010
Client Id: FB-10242013
Data File: 9M53621.D
Analysis Date: 10/31/13 16:23
Date Rec/Extracted: 10/25/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 970ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.1 | U | 205-99-2 | Benzo[b]fluoranthene | 2.1 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.1 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.1 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.1 | U | 207-08-9 | Benzo[k]fluoranthene | 2.1 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.1 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.1 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.1 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.52 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.1 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.1 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.52 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.1 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.1 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.1 | U | 105-60-2 | Caprolactam | 2.1 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2.1 | U | 86-74-8 | Carbazole | 2.1 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.1 | U | 218-01-9 | Chrysene | 2.1 | U |
| 95-57-8 | 2-Chlorophenol | 2.1 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.1 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.1 | U | 132-64-9 | Dibenzofuran | 0.52 | U |
| 95-48-7 | 2-Methylphenol | 0.52 | U | 84-66-2 | Diethylphthalate | 2.1 | U |
| 88-74-4 | 2-Nitroaniline | 2.1 | U | 131-11-3 | Dimethylphthalate | 2.1 | U |
| 88-75-5 | 2-Nitrophenol | 2.1 | U | 84-74-2 | Di-n-butylphthalate | 0.52 | U |
| 106-44-5 | 3&4-Methylphenol | 0.52 | U | 117-84-0 | Di-n-octylphthalate | 2.1 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.1 | U | 206-44-0 | Fluoranthene | 2.1 | U |
| 99-09-2 | 3-Nitroaniline | 2.1 | U | 86-73-7 | Fluorene | 2.1 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.1 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.1 | U | 87-68-3 | Hexachlorobutadiene | 2.1 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.1 | U | 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 0.52 | U | 67-72-1 | Hexachloroethane | 2.1 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.1 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.1 | U |
| 100-01-6 | 4-Nitroaniline | 2.1 | U | 78-59-1 | Isophorone | 2.1 | U |
| 100-02-7 | 4-Nitrophenol | 2.1 | U | 91-20-3 | Naphthalene | 0.52 | U |
| 83-32-9 | Acenaphthene | 2.1 | U | 98-95-3 | Nitrobenzene | 2.1 | U |
| 208-96-8 | Acenaphthylene | 2.1 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.52 | U |
| 98-86-2 | Acetophenone | 2.1 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.1 | U |
| 120-12-7 | Anthracene | 2.1 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.1 | U | 85-01-8 | Phenanthrene | 2.1 | U |
| 100-52-7 | Benzaldehyde | 2.1 | U | 108-95-2 | Phenol | 2.1 | U |
| 56-55-3 | Benzo[a]anthracene | 2.1 | U | 129-00-0 | Pyrene | 2.1 | U |
| 50-32-8 | Benzo[a]pyrene | 2.1 | U | | | | |

Worksheet #: 283277

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75362-010
Client Id: FB-10242013
Data File: 9M53621.D
Analysis Date: 10/31/13 16:23
Date Rec/Extracted: 10/25/13-10/30/13

Matrix: Aqueous
Initial Vol: 970ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.14 | 9.4 JB |

Worksheet #: 283277

***Total Tentatively Identified Concentration*** 9.4

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB29081
Client Id:
Data File: 10M40845.D
Analysis Date: 10/30/13 17:06
Date Rec/Extracted: NA-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.50 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.50 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | 105-60-2 | Caprolactam | 2.0 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.50 | U |
| 95-48-7 | 2-Methylphenol | 0.50 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.50 | U |
| 106-44-5 | 3&4-Methylphenol | 0.50 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 2.0 | U |
| 106-47-8 | 4-Chloroaniline | 0.50 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.50 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.50 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |

Worksheet #: 283277

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: WMB29081
Client Id:
Data File: 10M40845.D
Analysis Date: 10/30/13 17:06
Date Rec/Extracted: NA-10/30/13

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.16 | 4.6 J |
| 2 | | unknown | 5.61 | <10% |

Worksheet #: 283277

***Total Tentatively Identified Concentration*** 4.6

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB29081
Client Id:
Data File: 9M53605.D
Analysis Date: 10/31/13 10:18
Date Rec/Extracted: NA-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

**Units: ug/L**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 2.0 | U | 205-99-2 | Benzo[b]fluoranthene | 2.0 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.0 | U | 191-24-2 | Benzo[g,h,i]perylene | 2.0 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2.0 | U | 207-08-9 | Benzo[k]fluoranthene | 2.0 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2.0 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 2.0 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.0 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.50 | U |
| 120-83-2 | 2,4-Dichlorophenol | 2.0 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 2.0 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.50 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 2.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 10 | U | 85-68-7 | Butylbenzylphthalate | 2.0 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2.0 | U | 105-60-2 | Caprolactam | 2.0 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2.0 | U | 86-74-8 | Carbazole | 2.0 | U |
| 91-58-7 | 2-Chloronaphthalene | 2.0 | U | 218-01-9 | Chrysene | 2.0 | U |
| 95-57-8 | 2-Chlorophenol | 2.0 | U | 53-70-3 | Dibenzo[a,h]anthracene | 2.0 | U |
| 91-57-6 | 2-Methylnaphthalene | 2.0 | U | 132-64-9 | Dibenzofuran | 0.50 | U |
| 95-48-7 | 2-Methylphenol | 0.50 | U | 84-66-2 | Diethylphthalate | 2.0 | U |
| 88-74-4 | 2-Nitroaniline | 2.0 | U | 131-11-3 | Dimethylphthalate | 2.0 | U |
| 88-75-5 | 2-Nitrophenol | 2.0 | U | 84-74-2 | Di-n-butylphthalate | 0.50 | U |
| 106-44-5 | 3&4-Methylphenol | 0.50 | U | 117-84-0 | Di-n-octylphthalate | 2.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2.0 | U | 206-44-0 | Fluoranthene | 2.0 | U |
| 99-09-2 | 3-Nitroaniline | 2.0 | U | 86-73-7 | Fluorene | 2.0 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 10 | U | 118-74-1 | Hexachlorobenzene | 2.0 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.0 | U | 87-68-3 | Hexachlorobutadiene | 2.0 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2.0 | U | 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 0.50 | U | 67-72-1 | Hexachloroethane | 2.0 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2.0 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 2.0 | U |
| 100-01-6 | 4-Nitroaniline | 2.0 | U | 78-59-1 | Isophorone | 2.0 | U |
| 100-02-7 | 4-Nitrophenol | 2.0 | U | 91-20-3 | Naphthalene | 0.50 | U |
| 83-32-9 | Acenaphthene | 2.0 | U | 98-95-3 | Nitrobenzene | 2.0 | U |
| 208-96-8 | Acenaphthylene | 2.0 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.50 | U |
| 98-86-2 | Acetophenone | 2.0 | U | 86-30-6 | n-Nitrosodiphenylamine | 2.0 | U |
| 120-12-7 | Anthracene | 2.0 | U | 87-86-5 | Pentachlorophenol | 10 | U |
| 1912-24-9 | Atrazine | 2.0 | U | 85-01-8 | Phenanthrene | 2.0 | U |
| 100-52-7 | Benzaldehyde | 2.0 | U | 108-95-2 | Phenol | 2.0 | U |
| 56-55-3 | Benzo[a]anthracene | 2.0 | U | 129-00-0 | Pyrene | 2.0 | U |
| 50-32-8 | Benzo[a]pyrene | 2.0 | U | | | | |

Worksheet #: 283277

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: WMB29081
Client Id:
Data File: 9M53605.D
Analysis Date: 10/31/13 10:18
Date Rec/Extracted: NA-10/30/13

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0
Method: EPA 625

**Units: ug/L**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.14 | 4.0 J |
| 2 | | unknown | 5.59 | <10% |

Worksheet #: 283277

***Total Tentatively Identified Concentration*** 4

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB29131
Client Id:
Data File: 7M60811.D
Analysis Date: 11/04/13 16:30
Date Rec/Extracted: NA-11/04/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

**Units: mg/Kg**

| Cas # | Compound | RL | Conc | Cas # | Compound | RL | Conc |
|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1'-Biphenyl | 0.033 | U | 205-99-2 | Benzo[b]fluoranthene | 0.033 | U |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 0.033 | U | 191-24-2 | Benzo[g,h,i]perylene | 0.033 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.033 | U | 207-08-9 | Benzo[k]fluoranthene | 0.033 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.033 | U | 111-91-1 | bis(2-Chloroethoxy)methan | 0.033 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.033 | U | 111-44-4 | bis(2-Chloroethyl)ether | 0.0083 | U |
| 120-83-2 | 2,4-Dichlorophenol | 0.0083 | U | 108-60-1 | bis(2-chloroisopropyl)ether | 0.033 | U |
| 105-67-9 | 2,4-Dimethylphenol | 0.0083 | U | 117-81-7 | bis(2-Ethylhexyl)phthalate | 0.033 | U |
| 51-28-5 | 2,4-Dinitrophenol | 0.17 | U | 85-68-7 | Butylbenzylphthalate | 0.033 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 0.033 | U | 105-60-2 | Caprolactam | 0.033 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 0.033 | U | 86-74-8 | Carbazole | 0.033 | U |
| 91-58-7 | 2-Chloronaphthalene | 0.033 | U | 218-01-9 | Chrysene | 0.033 | U |
| 95-57-8 | 2-Chlorophenol | 0.033 | U | 53-70-3 | Dibenzo[a,h]anthracene | 0.033 | U |
| 91-57-6 | 2-Methylnaphthalene | 0.033 | U | 132-64-9 | Dibenzofuran | 0.0083 | U |
| 95-48-7 | 2-Methylphenol | 0.0083 | U | 84-66-2 | Diethylphthalate | 0.033 | U |
| 88-74-4 | 2-Nitroaniline | 0.033 | U | 131-11-3 | Dimethylphthalate | 0.033 | U |
| 88-75-5 | 2-Nitrophenol | 0.033 | U | 84-74-2 | Di-n-butylphthalate | 0.017 | U |
| 106-44-5 | 3&4-Methylphenol | 0.0083 | U | 117-84-0 | Di-n-octylphthalate | 0.033 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 0.033 | U | 206-44-0 | Fluoranthene | 0.033 | U |
| 99-09-2 | 3-Nitroaniline | 0.033 | U | 86-73-7 | Fluorene | 0.033 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.17 | U | 118-74-1 | Hexachlorobenzene | 0.033 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.033 | U | 87-68-3 | Hexachlorobutadiene | 0.033 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.033 | U | 77-47-4 | Hexachlorocyclopentadiene | 0.033 | U |
| 106-47-8 | 4-Chloroaniline | 0.016 | U | 67-72-1 | Hexachloroethane | 0.033 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.033 | U | 193-39-5 | Indeno[1,2,3-cd]pyrene | 0.033 | U |
| 100-01-6 | 4-Nitroaniline | 0.033 | U | 78-59-1 | Isophorone | 0.033 | U |
| 100-02-7 | 4-Nitrophenol | 0.033 | U | 91-20-3 | Naphthalene | 0.0083 | U |
| 83-32-9 | Acenaphthene | 0.033 | U | 98-95-3 | Nitrobenzene | 0.033 | U |
| 208-96-8 | Acenaphthylene | 0.033 | U | 621-64-7 | N-Nitroso-di-n-propylamine | 0.0083 | U |
| 98-86-2 | Acetophenone | 0.033 | U | 86-30-6 | n-Nitrosodiphenylamine | 0.033 | U |
| 120-12-7 | Anthracene | 0.033 | U | 87-86-5 | Pentachlorophenol | 0.17 | U |
| 1912-24-9 | Atrazine | 0.033 | U | 85-01-8 | Phenanthrene | 0.033 | U |
| 100-52-7 | Benzaldehyde | 0.033 | U | 108-95-2 | Phenol | 0.033 | U |
| 56-55-3 | Benzo[a]anthracene | 0.033 | U | 129-00-0 | Pyrene | 0.033 | U |
| 50-32-8 | Benzo[a]pyrene | 0.033 | U | | | | |

Worksheet #: 283275

***Total Target Concentration*** 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.*
*B - Indicates the analyte was found in the blank as well as in the sample.*
*E - Indicates the analyte concentration exceeds the calibration range of the instrument.*
*R - Retention Time Out*
*J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*
*d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used*

*N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine*

# Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: SMB29131
Client Id:
Data File: 7M60811.D
Analysis Date: 11/04/13 16:30
Date Rec/Extracted: NA-11/04/13

Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100
Method: EPA 8270D

**Units: mg/Kg**

| | Cas # | Compound | RT | Conc |
|---|---|---|---|---|
| 1 | | unknown | 4.17 | 0.58 J |
| 2 | 123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 4.41 | 52 JA |
| 3 | | unknown | 4.93 | 0.11 J |
| 4 | 5131-66-8 | 2-Propanol, 1-butoxy- | 5.09 | 0.11 J |

Worksheet #: 283275

***Total Tentatively Identified Concentration*** 53

***A - Indicates an aldol condensate.***
***J - Indicates an estimated value.***
***B - Indicates the analyte was found in the blank as well as in the sample.***
***Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.***
***<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

# FORM2

## Surrogate Recovery

Method: EPA 625

| Dfile | Sample# | Matrix | Date/Time | Surr Dil | Dilute Out Flag | Column1 S1 Recov | Column1 S2 Recov | Column1 S3 Recov | Column1 S4 Recov | Column1 S5 Recov | Column1 S6 Recov |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10M40845.D | WMB29081 | Aqueous | 10/30/13 17:06 | 1 | | 42 | 25* | 107 | 111 | 114 | 114 |
| 9M53605.D | WMB29081 | Aqueous | 10/31/13 10:18 | 1 | | 38 | 22* | 108 | 112 | 110 | 125 |
| 10M40859.D | AC75362-002 | Aqueous | 10/31/13 09:42 | 1 | | 58 | 41 | 114 | 113 | 121 | 98 |
| 10M40896.D | AC75362-003 | Aqueous | 11/01/13 11:53 | 1 | | 43 | 26* | 119 | 126 | 128 | 127 |
| 9M53619.D | AC75362-005 | Aqueous | 10/31/13 15:37 | 1 | | 41 | 23* | 117 | 122 | 114 | 146 |
| 9M53620.D | AC75362-008 | Aqueous | 10/31/13 16:00 | 1 | | 37 | 20* | 111 | 117 | 103 | 138 |
| 9M53621.D | AC75362-010 | Aqueous | 10/31/13 16:23 | 1 | | 38 | 21* | 107 | 114 | 104 | 133 |
| 10M40843.D | WMB29081(M | Aqueous | 10/30/13 16:22 | 1 | | 44 | 26* | 108 | 102 | 109 | 118 |
| 10M40860.D | AC75362-002( | Aqueous | 10/31/13 10:04 | 1 | | 67 | 47 | 108 | 103 | 117 | 120 |
| 10M40861.D | AC75362-002( | Aqueous | 10/31/13 10:27 | 1 | | 68 | 45 | 114 | 105 | 118 | 121 |

**Flags:** SD=Surrogate diluted out
*=Surrogate out

**Method:** EPA 625

### Aqueous Limits

| Compound | Spike Amt | Limits |
|---|---|---|
| S1=2-Fluorophenol | 100 | 29-113 |
| S2=Phenol-d5 | 100 | 27-115 |
| S3=Nitrobenzene-d5 | 50 | 51-139 |
| S4=2-Fluorobiphenyl | 50 | 53-129 |
| S5=2,4,6-Tribromophenol | 100 | 54-149 |
| S6=Terphenyl-d14 | 50 | 55-146 |

# Form3
# RPD DATA
## QC Batch: WMB29081

| | Data File | Sample ID: | Analysis Date |
|---|---|---|---|
| Spike or Dup: | 10M40861.D | AC75362-002(MSD) | 10/31/2013 10:27:00 A |
| Duplicate(If applicable): | 10M40860.D | AC75362-002(MS) | 10/31/2013 10:04:00 A |
| Inst Blank(If applicable): | | | |

Method: 625 Matrix: Aqueous QC Type: MSD

| Analyte: | Column | Dup/MSD/MBSD Conc | Sample/MS/MBS Conc | RPD | Limit |
|---|---|---|---|---|---|
| N-Nitrosodimethylamine | 1 | 90.8939 | 87.8926 | 3.4 | 17 |
| bis(2-Chloroethyl)ether | 1 | 94.8066 | 92.0056 | 3 | 12 |
| Phenol | 1 | 42.007 | 42.1143 | 0.26 | 27 |
| 2-Chlorophenol | 1 | 95.9601 | 89.7856 | 6.6 | 21 |
| bis(2-chloroisopropyl)ether | 1 | 81.1588 | 78.5218 | 3.3 | 14 |
| Hexachloroethane | 1 | 97.9517 | 94.9829 | 3.1 | 39 |
| N-Nitroso-di-n-propylamine | 1 | 88.7457 | 86.7269 | 2.3 | 14 |
| Nitrobenzene | 1 | 97.677 | 93.6721 | 4.2 | 13 |
| Isophorone | 1 | 94.2834 | 91.7592 | 2.7 | 12 |
| 2-Nitrophenol | 1 | 105.8522 | 100.1435 | 5.5 | 31 |
| 2,4-Dimethylphenol | 1 | 88.0791 | 83.2647 | 5.6 | 18 |
| bis(2-Chloroethoxy)methane | 1 | 101.0392 | 98.8122 | 2.2 | 12 |
| 2,4-Dichlorophenol | 1 | 101.8847 | 97.4824 | 4.4 | 21 |
| 1,2,4-Trichlorobenzene | 1 | 91.7238 | 88.2328 | 3.9 | 17 |
| Naphthalene | 1 | 94.2294 | 89.718 | 4.9 | 16 |
| Hexachlorobutadiene | 1 | 93.4611 | 91.7259 | 1.9 | 24 |
| 4-Chloro-3-methylphenol | 1 | 100.553 | 97.1386 | 3.5 | 16 |
| 2,4,6-Trichlorophenol | 1 | 108.3919 | 103.5807 | 4.5 | 24 |
| 2-Chloronaphthalene | 1 | 94.5899 | 93.1161 | 1.6 | 13 |
| Acenaphthylene | 1 | 102.3038 | 101.1257 | 1.2 | 13 |
| Dimethylphthalate | 1 | 97.6713 | 98.5513 | 0.9 | 12 |
| 2,6-Dinitrotoluene | 1 | 117.0841 | 101.329 | 14* | 13 |
| Acenaphthene | 1 | 95.672 | 94.159 | 1.6 | 14 |
| 2,4-Dinitrophenol | 1 | 92.779 | 84.8828 | 8.9 | 37 |
| 2,4-Dinitrotoluene | 1 | 98.4725 | 98.3245 | 0.15 | 13 |
| 4-Nitrophenol | 1 | 56.8248 | 56.9784 | 0.27 | 41 |
| Fluorene | 1 | 93.1549 | 93.0835 | 0.08 | 14 |
| 4-Chlorophenyl-phenylether | 1 | 99.2202 | 97.2728 | 2 | 13 |
| Diethylphthalate | 1 | 97.2205 | 96.2162 | 1 | 12 |
| 4,6-Dinitro-2-methylphenol | 1 | 108.6626 | 104.9116 | 3.5 | 25 |
| 4-Bromophenyl-phenylether | 1 | 100.8909 | 98.0954 | 2.8 | 13 |
| Hexachlorobenzene | 1 | 93.2245 | 92.8334 | 0.42 | 12 |
| Pentachlorophenol | 1 | 123.4118 | 116.2416 | 6 | 31 |
| Phenanthrene | 1 | 96.7296 | 94.9878 | 1.8 | 12 |
| Anthracene | 1 | 100.2196 | 99.8105 | 0.41 | 12 |
| Di-n-butylphthalate | 1 | 104.7303 | 104.8234 | 0.09 | 12 |
| Fluoranthene | 1 | 93.733 | 93.8189 | 0.09 | 13 |
| Pyrene | 1 | 101.8299 | 101.9331 | 0.1 | 13 |
| Butylbenzylphthalate | 1 | 105.3328 | 106.1395 | 0.76 | 12 |
| 3,3'-Dichlorobenzidine | 1 | 96.3116 | 108.7599 | 12 | 40 |
| Benzo[a]anthracene | 1 | 94.6785 | 93.979 | 0.74 | 12 |
| Chrysene | 1 | 93.5005 | 94.1598 | 0.7 | 12 |
| bis(2-Ethylhexyl)phthalate | 1 | 105.6211 | 106.1902 | 0.54 | 14 |
| Di-n-octylphthalate | 1 | 112.5797 | 113.8417 | 1.1 | 14 |
| Benzo[b]fluoranthene | 1 | 105.55 | 103.9935 | 1.5 | 15 |
| Benzo[k]fluoranthene | 1 | 101.0424 | 99.4693 | 1.6 | 14 |
| Benzo[a]pyrene | 1 | 108.4322 | 105.3128 | 2.9 | 13 |
| Indeno[1,2,3-cd]pyrene | 1 | 106.2716 | 107.318 | 0.98 | 14 |
| Dibenzo[a,h]anthracene | 1 | 101.2182 | 101.0936 | 0.12 | 14 |
| Benzo[g,h,i]perylene | 1 | 105.8383 | 105.8554 | 0.02 | 15 |

* - Indicates outside of limits

NA - Both concentrations=0... no result can be calculated

# Form3
# Recovery Data
## QC Batch: SMB29131

| | Data File | Sample ID: | Analysis Date |
|---|---|---|---|
| Spike or Dup: | 9M53706.D | AC75342-002(MS) | 11/5/2013 3:56:00 PM |
| Non Spike(If applicable): | 9M53705.D | AC75342-002 | 11/5/2013 3:33:00 PM |
| Inst Blank(If applicable): | | | |

Method: 8270D  Matrix: Soil  QC Type: MS

| Analyte: | Col | Spike Conc | Sample Conc | Expected Conc | Recovery | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|
| Phenol | 1 | 46.9921 | 0 | 100 | 47 | 20 | 130 |
| 2-Chlorophenol | 1 | 53.4842 | 0 | 100 | 53 | 50 | 130 |
| 1,4-Dichlorobenzene | 1 | 23.138 | 0 | 50 | 46* | 50 | 130 |
| 2-Methylphenol | 1 | 51.6291 | 0 | 100 | 52 | 50 | 130 |
| N-Nitroso-di-n-propylamine | 1 | 23.4166 | 0 | 50 | 47 | 20 | 130 |
| 2,4-Dimethylphenol | 1 | 55.4273 | 0 | 100 | 55 | 50 | 130 |
| 1,2,4-Trichlorobenzene | 1 | 24.4917 | 0 | 50 | 49* | 50 | 130 |
| Naphthalene | 1 | 24.4078 | 0 | 50 | 49* | 50 | 130 |
| 4-Chloro-3-methylphenol | 1 | 55.9022 | 0 | 100 | 56 | 50 | 130 |
| Acenaphthene | 1 | 24.8026 | 0 | 50 | 50 | 50 | 130 |
| 2,4-Dinitrotoluene | 1 | 25.7996 | 0 | 50 | 52 | 50 | 130 |
| 4-Nitrophenol | 1 | 51.8066 | 0 | 100 | 52 | 20 | 130 |
| Fluorene | 1 | 24.1224 | 0 | 50 | 48* | 50 | 130 |
| Pentachlorophenol | 1 | 54.3394 | 0 | 100 | 54 | 40 | 130 |
| Pyrene | 1 | 32.4105 | 0 | 50 | 65 | 50 | 130 |
| Butylbenzylphthalate | 1 | 30.5886 | 0 | 50 | 61 | 50 | 130 |

| | Data File | Sample ID: | Analysis Date |
|---|---|---|---|
| Spike or Dup: | 9M53707.D | AC75342-002(MSD) | 11/5/2013 4:19:00 PM |
| Non Spike(If applicable): | 9M53705.D | AC75342-002 | 11/5/2013 3:33:00 PM |
| Inst Blank(If applicable): | | | |

Method: 8270D  Matrix: Soil  QC Type: MSD

| Analyte: | Col | Spike Conc | Sample Conc | Expected Conc | Recovery | Lower Limit | Upper Limit |
|---|---|---|---|---|---|---|---|
| Phenol | 1 | 57.9436 | 0 | 100 | 58 | 20 | 130 |
| 2-Chlorophenol | 1 | 65.9072 | 0 | 100 | 66 | 50 | 130 |
| 1,4-Dichlorobenzene | 1 | 28.5131 | 0 | 50 | 57 | 50 | 130 |
| 2-Methylphenol | 1 | 65.2167 | 0 | 100 | 65 | 50 | 130 |
| N-Nitroso-di-n-propylamine | 1 | 29.0815 | 0 | 50 | 58 | 20 | 130 |
| 2,4-Dimethylphenol | 1 | 69.2543 | 0 | 100 | 69 | 50 | 130 |
| 1,2,4-Trichlorobenzene | 1 | 30.3184 | 0 | 50 | 61 | 50 | 130 |
| Naphthalene | 1 | 29.8536 | 0 | 50 | 60 | 50 | 130 |
| 4-Chloro-3-methylphenol | 1 | 68.489 | 0 | 100 | 68 | 50 | 130 |
| Acenaphthene | 1 | 30.9625 | 0 | 50 | 62 | 50 | 130 |
| 2,4-Dinitrotoluene | 1 | 30.7165 | 0 | 50 | 61 | 50 | 130 |
| 4-Nitrophenol | 1 | 61.682 | 0 | 100 | 62 | 20 | 130 |
| Fluorene | 1 | 29.7942 | 0 | 50 | 60 | 50 | 130 |
| Pentachlorophenol | 1 | 68.1788 | 0 | 100 | 68 | 40 | 130 |
| Pyrene | 1 | 39.2765 | 0 | 50 | 79 | 50 | 130 |
| Butylbenzylphthalate | 1 | 37.7696 | 0 | 50 | 76 | 50 | 130 |

* - Indicates outside of limits  # - Indicates outside of standard limits but within method exceedance limits

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-002 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SW-15-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 43000 | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | 250 | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 14000 | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 200 | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/02/13 | 27365 | H15652A | 14 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 2800 | 1 | 200 | 100 | 11/01/13 | 27365 | A15652C2 | 13 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 9500 | 1 | 200 | 100 | 11/01/13 | 27365 | A15652C2 | 13 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 200 | 100 | 11/01/13 | 27365 | A15652A2 | 16 | P | PEICP2A |

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-002 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SW-15-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 200 | 250 | 11/04/13 | 27365 | 0413CNEW | 15 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 200 | 250 | 11/04/13 | 27365 | 0413CNEW | 15 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 200 | 250 | 11/04/13 | 27365 | 0413CNEW | 15 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 200 | 250 | 11/04/13 | 27365 | 0413CNEW | 15 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 200 | 250 | 11/04/13 | 27365 | 0413CNEW | 15 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 200 | 250 | 11/04/13 | 27365 | 0413CNEW | 15 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-003 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SW-4-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 44000 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | 300 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 14000 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 230 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/02/13 | 27365 | H15652A | 24 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 2900 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 24 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 10000 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 24 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 28 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-003 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SW-4-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 25 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 25 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 25 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 25 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 25 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 25 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-004 | % Solid: | 61 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SD-4-10242013 | Units: | MG/KG | Lab Code: | | Sdg No: | |
| Matrix: | SOIL | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 330 | 5300 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 23 | P | PEICPRAD3A |
| 7440-38-2 | Arsenic | 6.6 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |
| 7440-39-3 | Barium | 16 | 53 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |
| 7440-70-2 | Calcium | 1600 | 15000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 23 | P | PEICPRAD3A |
| 7440-47-3 | Chromium | 8.2 | 11 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |
| 7440-48-4 | Cobalt | 4.1 | 6.1 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |
| 7440-50-8 | Copper | 8.2 | 12 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |
| 7439-89-6 | Iron | 330 | 16000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 23 | P | PEICPRAD3A |
| 7439-92-1 | Lead | 8.2 | 20 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |
| 7439-95-4 | Magnesium | 820 | 9900 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 23 | P | PEICPRAD3A |
| 7439-96-5 | Manganese | 16 | 1500 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 23 | P | PEICPRAD3A |
| 7439-97-6 | Mercury | 0.14 | ND | 1 | 0.15 | 25 | 11/01/13 | 27357 | H15644S | 20 | CV | HGCV1A |
| 7440-02-0 | Nickel | 8.2 | 13 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |
| 7440-09-7 | Potassium | 820 | 910 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 23 | P | PEICPRAD3A |
| 7440-23-5 | Sodium | 410 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 23 | P | PEICPRAD3A |
| 7440-28-0 | Thallium | 2.5 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |
| 7440-62-2 | Vanadium | 16 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |
| 7440-66-6 | Zinc | 16 | 50 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 24 | P | PEICP3A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-004 | % Solid: | 61 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SD-4-10242013 | Units: | MG/KG | Lab Code: | | Sdg No: | |
| Matrix: | SOIL | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.33 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 29 | MS | MS2_7500SWA |
| 7440-41-7 | Beryllium | 0.33 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 29 | MS | MS2_7500SWA |
| 7440-43-9 | Cadmium | 0.66 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 29 | MS | MS2_7500SWA |
| 7782-49-2 | Selenium | 3.3 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 29 | MS | MS2_7500SWA |
| 7440-22-4 | Silver | 0.33 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 29 | MS | MS2_7500SWA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-005 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SW-2-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 43000 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | 520 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 14000 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 340 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/02/13 | 27365 | H15652A | 25 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 3000 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 25 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 9700 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 25 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 29 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-005 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SW-2-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 26 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 26 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 26 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 26 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | 1.9 | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 26 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 26 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-006 | % Solid: | 74 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SD-2-10242013 | Units: | MG/KG | Lab Code: | | Sdg No: | |
| Matrix: | SOIL | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 270 | 5900 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 24 | P | PEICPRAD3A |
| 7440-38-2 | Arsenic | 5.4 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |
| 7440-39-3 | Barium | 14 | 87 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |
| 7440-70-2 | Calcium | 1400 | 31000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 24 | P | PEICPRAD3A |
| 7440-47-3 | Chromium | 6.8 | 7.8 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |
| 7440-48-4 | Cobalt | 3.4 | 6.2 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |
| 7440-50-8 | Copper | 6.8 | 13 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |
| 7439-89-6 | Iron | 270 | 20000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 24 | P | PEICPRAD3A |
| 7439-92-1 | Lead | 6.8 | 12 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |
| 7439-95-4 | Magnesium | 680 | 20000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 24 | P | PEICPRAD3A |
| 7439-96-5 | Manganese | 14 | 2500 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 24 | P | PEICPRAD3A |
| 7439-97-6 | Mercury | 0.11 | ND | 1 | 0.15 | 25 | 11/01/13 | 27357 | H15644S | 23 | CV | HGCV1A |
| 7440-02-0 | Nickel | 6.8 | 11 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |
| 7440-09-7 | Potassium | 680 | 990 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 24 | P | PEICPRAD3A |
| 7440-23-5 | Sodium | 340 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 24 | P | PEICPRAD3A |
| 7440-28-0 | Thallium | 2.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |
| 7440-62-2 | Vanadium | 14 | 16 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |
| 7440-66-6 | Zinc | 14 | 52 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 25 | P | PEICP3A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-006 | % Solid: | 74 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SD-2-10242013 | Units: | MG/KG | Lab Code: | | Sdg No: | |
| Matrix: | SOIL | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.27 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 30 | MS | MS2_7500SWA |
| 7440-41-7 | Beryllium | 0.27 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 30 | MS | MS2_7500SWA |
| 7440-43-9 | Cadmium | 0.54 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 30 | MS | MS2_7500SWA |
| 7782-49-2 | Selenium | 2.7 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 30 | MS | MS2_7500SWA |
| 7440-22-4 | Silver | 0.27 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 30 | MS | MS2_7500SWA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-007 | % Solid: | 80 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SD-3-10242013 | Units: | MG/KG | Lab Code: | | Sdg No: | |
| Matrix: | SOIL | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 250 | 11000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 25 | P | PEICPRAD3A |
| 7440-38-2 | Arsenic | 5.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |
| 7440-39-3 | Barium | 12 | 66 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |
| 7440-70-2 | Calcium | 1200 | 19000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 25 | P | PEICPRAD3A |
| 7440-47-3 | Chromium | 6.2 | 20 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |
| 7440-48-4 | Cobalt | 3.1 | 10 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |
| 7440-50-8 | Copper | 6.2 | 35 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |
| 7439-89-6 | Iron | 250 | 23000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 25 | P | PEICPRAD3A |
| 7439-92-1 | Lead | 6.2 | 270 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |
| 7439-95-4 | Magnesium | 620 | 14000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 25 | P | PEICPRAD3A |
| 7439-96-5 | Manganese | 12 | 700 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 25 | P | PEICPRAD3A |
| 7439-97-6 | Mercury | 0.10 | ND | 1 | 0.15 | 25 | 11/01/13 | 27357 | H15644S | 24 | CV | HGCV1A |
| 7440-02-0 | Nickel | 6.2 | 22 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |
| 7440-09-7 | Potassium | 620 | 1500 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 25 | P | PEICPRAD3A |
| 7440-23-5 | Sodium | 310 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 25 | P | PEICPRAD3A |
| 7440-28-0 | Thallium | 1.9 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |
| 7440-62-2 | Vanadium | 12 | 28 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |
| 7440-66-6 | Zinc | 12 | 190 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 26 | P | PEICP3A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-007 | % Solid: | 80 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SD-3-10242013 | Units: | MG/KG | Lab Code: | | Sdg No: | |
| Matrix: | SOIL | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.25 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 31 | MS | MS2_7500SWA |
| 7440-41-7 | Beryllium | 0.25 | 0.25 | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 31 | MS | MS2_7500SWA |
| 7440-43-9 | Cadmium | 0.50 | 2.5 | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 31 | MS | MS2_7500SWA |
| 7782-49-2 | Selenium | 2.5 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 31 | MS | MS2_7500SWA |
| 7440-22-4 | Silver | 0.25 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 31 | MS | MS2_7500SWA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-008 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SW-1-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | 36 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | 45000 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | 1900 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | 14000 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | 1700 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/02/13 | 27365 | H15652A | 26 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | 3300 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 26 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | 9200 | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 26 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 30 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-008 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SW-1-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 27 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 27 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 27 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 27 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | 1.1 | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 27 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 27 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-009 | % Solid: | 74 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SD-1-10242013 | Units: | MG/KG | Lab Code: | | Sdg No: | |
| Matrix: | SOIL | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 270 | 6900 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 26 | P | PEICPRAD3A |
| 7440-38-2 | Arsenic | 5.4 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |
| 7440-39-3 | Barium | 14 | 56 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |
| 7440-70-2 | Calcium | 1400 | 1500 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 26 | P | PEICPRAD3A |
| 7440-47-3 | Chromium | 6.8 | 14 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |
| 7440-48-4 | Cobalt | 3.4 | 6.1 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |
| 7440-50-8 | Copper | 6.8 | 15 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |
| 7439-89-6 | Iron | 270 | 15000 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 26 | P | PEICPRAD3A |
| 7439-92-1 | Lead | 6.8 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |
| 7439-95-4 | Magnesium | 680 | 3200 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 26 | P | PEICPRAD3A |
| 7439-96-5 | Manganese | 14 | 580 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 26 | P | PEICPRAD3A |
| 7439-97-6 | Mercury | 0.11 | ND | 1 | 0.15 | 25 | 11/01/13 | 27357 | H15644S | 25 | CV | HGCV1A |
| 7440-02-0 | Nickel | 6.8 | 11 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |
| 7440-09-7 | Potassium | 680 | 1900 | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 26 | P | PEICPRAD3A |
| 7440-23-5 | Sodium | 340 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 26 | P | PEICPRAD3A |
| 7440-28-0 | Thallium | 2.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |
| 7440-62-2 | Vanadium | 14 | 21 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |
| 7440-66-6 | Zinc | 14 | 32 | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 27 | P | PEICP3A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-009 | % Solid: | 74 | Lab Name: | Veritech | Nras No: | |
| Client Id: | SD-1-10242013 | Units: | MG/KG | Lab Code: | | Sdg No: | |
| Matrix: | SOIL | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.27 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 32 | MS | MS2_7500SWA |
| 7440-41-7 | Beryllium | 0.27 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 32 | MS | MS2_7500SWA |
| 7440-43-9 | Cadmium | 0.54 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 32 | MS | MS2_7500SWA |
| 7782-49-2 | Selenium | 2.7 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 32 | MS | MS2_7500SWA |
| 7440-22-4 | Silver | 0.27 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 32 | MS | MS2_7500SWA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-010 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | FB-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652B2 | 13 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/02/13 | 27365 | H15652A | 27 | CV | HGCV1A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 31 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 31 | P | PEICPRAD2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 35 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | AC75362-010 | % Solid: | 0 | Lab Name: | Veritech | Nras No: | |
| Client Id: | FB-10242013 | Units: | UG/L | Lab Code: | | Sdg No: | |
| Matrix: | AQUEOUS | Date Rec: | 10/25/2013 | Contract: | | Case No: | |
| Level: | LOW | | | | | | |

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 28 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 28 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 28 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 28 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 28 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 28 | MS | MS3_7700AQA |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

Sample ID: MB 27365 (0.5) % Solid: 0 Lab Name: Veritech
Client Id: MB 27365 (0.5) Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 100 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-36-0 | Antimony | 7.5 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-38-2 | Arsenic | 20 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-39-3 | Barium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-41-7 | Beryllium | 4.0 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-43-9 | Cadmium | 2.0 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-70-2 | Calcium | 1000 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-47-3 | Chromium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-48-4 | Cobalt | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-50-8 | Copper | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7439-89-6 | Iron | 150 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7439-92-1 | Lead | 5.0 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7439-95-4 | Magnesium | 1000 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7439-96-5 | Manganese | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7439-98-7 | Molybdenum | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-02-0 | Nickel | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-09-7 | Potassium | 2500 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 10 | P | PEICPRAD2A |
| 7782-49-2 | Selenium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-22-4 | Silver | 10 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-23-5 | Sodium | 2500 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652C2 | 10 | P | PEICPRAD2A |
| 7440-28-0 | Thallium | 5.0 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-31-5 | Tin | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-32-6 | Titanium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-62-2 | Vanadium | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |
| 7440-66-6 | Zinc | 25 | ND | 1 | 100 | 50 | 11/01/13 | 27365 | A15652A2 | 13 | P | PEICP2A |

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

Sample ID: MB 27365 % Solid: 0 Lab Name: Veritech
Client Id: MB 27365 Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 12 | MS | MS3_7700AQA |
| 7440-38-2 | Arsenic | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 12 | MS | MS3_7700AQA |
| 7440-41-7 | Beryllium | 0.75 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 12 | MS | MS3_7700AQA |
| 7440-43-9 | Cadmium | 1.0 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 12 | MS | MS3_7700AQA |
| 7439-92-1 | Lead | 0.75 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 12 | MS | MS3_7700AQA |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 100 | 125 | 11/04/13 | 27365 | 0413CNEW | 12 | MS | MS3_7700AQA |

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

Sample ID: MB 27357 (100) % Solid: 0 Lab Name: Veritech
Client Id: MB 27357 (100) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 200 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 11 | P | PEICPRAD3A |
| 7440-36-0 | Antimony | 4.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-38-2 | Arsenic | 4.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-39-3 | Barium | 10 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-41-7 | Beryllium | 1.2 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-43-9 | Cadmium | 1.2 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-70-2 | Calcium | 1000 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 11 | P | PEICPRAD3A |
| 7440-47-3 | Chromium | 5.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-48-4 | Cobalt | 2.5 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-50-8 | Copper | 5.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7439-89-6 | Iron | 200 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 11 | P | PEICPRAD3A |
| 7439-92-1 | Lead | 5.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7439-95-4 | Magnesium | 500 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 11 | P | PEICPRAD3A |
| 7439-96-5 | Manganese | 10 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 11 | P | PEICPRAD3A |
| 7439-98-7 | Molybdenum | 2.5 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-02-0 | Nickel | 5.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-09-7 | Potassium | 500 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 11 | P | PEICPRAD3A |
| 7782-49-2 | Selenium | 3.0 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-22-4 | Silver | 1.5 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-23-5 | Sodium | 250 | ND | 1 | 0.5 | 50 | 11/01/13 | 27357 | S15644D3 | 11 | P | PEICPRAD3A |
| 7440-28-0 | Thallium | 1.5 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-31-5 | Tin | 20 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-32-6 | Titanium | 10 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-62-2 | Vanadium | 10 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |
| 7440-66-6 | Zinc | 10 | ND | 1 | 0.5 | 50 | 10/31/13 | 27357 | S15644C3 | 12 | P | PEICP3A |

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

Sample ID: MB 27358 % Solid: 0 Lab Name: Veritech
Client Id: MB 27358 Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.20 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 16 | MS | MS2_7500SWA |
| 7440-41-7 | Beryllium | 0.20 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 16 | MS | MS2_7500SWA |
| 7440-43-9 | Cadmium | 0.40 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 16 | MS | MS2_7500SWA |
| 7782-49-2 | Selenium | 2.0 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 16 | MS | MS2_7500SWA |
| 7440-22-4 | Silver | 0.20 | ND | 1 | 0.5 | 100 | 10/31/13 | 27358 | S103113B | 16 | MS | MS2_7500SWA |

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

Sample ID: MB 27365 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 27365 (1) Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.20 | ND | 1 | 25 | 25 | 11/02/13 | 27365 | H15652A | 11 | CV | HGCV1A |

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# Form1
## Inorganic Analysis Data Sheet

Sample ID: MB 27357 (167) % Solid: 0 Lab Name: Veritech
Client Id: MB 27357 (167) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

| Cas No. | Analyte | RL | Conc | Dil Fact | Initial Wt/Vol | Final Wt/Vol | Analysis Date | Prep Batch | File: | Seq Num | M | Instr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | 0.083 | ND | 1 | 0.15 | 25 | 11/01/13 | 27357 | H15644S | 11 | CV | HGCV1A |

Comments: _____

_____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/01/13
Data File: A15652A2
Prep Batch: 27365
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102513

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB V-174666-8 | CCB-12 | CCB-23 | CCB-34 | CCB-43 | CCB-51 | MB 27365 (0.5)-13 |
|---|---|---|---|---|---|---|---|
| **Aluminum** | .2 U | .2 U | .2 U | .2 U | .2 U | .2 U | .1 U |
| **Barium** | .05 U | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U |
| **Calcium** | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 1 U |
| **Chromium** | .05 U | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U |
| **Cobalt** | .02 U | .02 U | .02 U | .02 U | .02 U | .02 U | .01 U |
| **Copper** | .05 U | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U |
| **Iron** | .3 U | .3 U | .3 U | .3 U | .3 U | .3 U | .15 U |
| **Magnesium** | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 1 U |
| **Manganese** | .05 U | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U |
| **Nickel** | .02 U | .02 U | .02 U | .02 U | .02 U | .02 U | .01 U |
| **Selenium** | .05 U | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U |
| **Silver** | .02 U | .02 U | .02 U | .02 U | .02 U | .02 U | .01 U |
| **Vanadium** | .05 U | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U |
| **Zinc** | .05 U | .05 U | .05 U | .05 U | .05 U | .05 U | .025 U |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/01/13
Data File: A15652B2
Prep Batch: 27365
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102513

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB V-174666-8 | CCB-12 | CCB-21 | CCB-29 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Magnesium** | 2 U | 2 U | 2 U | 2 U | | | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/01/13
Data File: A15652C2
Prep Batch: 27365
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICPRAD2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102513

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB V-174666-7 | CCB-19 | CCB-30 | CCB-39 | CCB-47 | MB 27365 (0.5)-10 | | |
|---|---|---|---|---|---|---|---|---|
| **Potassium** | 5 U | 5 U | 5 U | 5 U | 5 U | 2.5 U | | |
| **Sodium** | 5 U | 5 U | 5 U | 5 U | 5 U | 2.5 U | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/04/13
Data File: W110413CNEW
Prep Batch: 27365
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: MS3_7700AQA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102513

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | CCB V-176106-11 | CCB V-176106-23 | CCB V-176106-35 | CCB V-176106-42 | MB 27365-12 | | | |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | 2 U | 2 U | 2 U | 2 U | 2.5 U | | | |
| **Arsenic** | .8 U | .8 U | .8 U | .8 U | 1 U | | | |
| **Beryllium** | .6 U | .6 U | .6 U | .6 U | .75 U | | | |
| **Cadmium** | .8 U | .8 U | .8 U | .8 U | 1 U | | | |
| **Lead** | .6 U | .6 U | .6 U | .6 U | .75 U | | | |
| **Thallium** | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 1.5 U | | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 10/31/13
Data File: S15644C3
Prep Batch: 27357
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102513

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB V-174666-9 | CCB V-174666-22 | CCB V-174666-34 | CCB V-174666-45 | CCB V-174666-57 | MB 27357 (100)-12 | | |
|---|---|---|---|---|---|---|---|---|
| **Arsenic** | .04 U | .04 U | .04 U | .04 U | .04 U | 4 U | | |
| **Barium** | .1 U | .1 U | .1 U | .1 U | .1 U | 10 U | | |
| **Chromium** | .05 U | .05 U | .05 U | .05 U | .05 U | 5 U | | |
| **Cobalt** | .025 U | .025 U | .025 U | .025 U | .025 U | 2.5 U | | |
| **Copper** | .05 U | .05 U | .05 U | .05 U | .05 U | 5 U | | |
| **Lead** | .05 U | .05 U | .05 U | .05 U | .05 U | 5 U | | |
| **Nickel** | .05 U | .05 U | .05 U | .05 U | .05 U | 5 U | | |
| **Thallium** | .015 U | .015 U | .015 U | .015 U | .015 U | 1.5 U | | |
| **Vanadium** | .1 U | .1 U | .1 U | .1 U | .1 U | 10 U | | |
| **Zinc** | .1 U | .1 U | .1 U | .1 U | .1 U | 10 U | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/01/13
Data File: S15644D3
Prep Batch: 27357
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102513

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB V-174666-8 | CCB V-174666-21 | CCB V-174666-34 | CCB V-174666-46 | MB 27357 (100)-11 | | | |
|---|---|---|---|---|---|---|---|---|
| **Aluminum** | 2 U | 2 U | 2 U | 2 U | 200 U | | | |
| **Calcium** | 10 U | 10 U | 10 U | 10 U | 1000 U | | | |
| **Iron** | 2 U | 2 U | 2 U | 2 U | 200 U | | | |
| **Magnesium** | 5 U | 5 U | 5 U | 5 U | 500 U | | | |
| **Manganese** | .1 U | .1 U | .1 U | .1 U | 10 U | | | |
| **Potassium** | 5 U | 5 U | 5 U | 5 U | 500 U | | | |
| **Sodium** | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 250 U | | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 10/31/13
Data File: S103113B
Prep Batch: 27358
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: MS2_7500SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102513

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB V-175871-10 | CCB V-175871-15 | CCB V-175871-28 | CCB V-175871-41 | CCB V-175871-54 | CCB V-175871-59 | MB 27358-16 |
|---|---|---|---|---|---|---|---|
| **Antimony** | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 200 U |
| **Beryllium** | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 200 U |
| **Cadmium** | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 400 U |
| **Selenium** | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 2000 U |
| **Silver** | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 200 U |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
# (ICB/CCB/MB Summary)

Date Analyzed: 11/02/13
Data File: H15652A
Prep Batch: 27365
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102513

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB-10 | CCB-22 | CCB-34 | CCB-41 | MB 27365 (1)-11 | | | |
|---|---|---|---|---|---|---|---|---|
| **Mercury** | .2 U | .2 U | .2 U | .2 U | .2 U | | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM 3
## (ICB/CCB/MB Summary)

Date Analyzed: 11/01/13
Data File: H15644S
Prep Batch: 27357
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102513

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

| Analyte | ICB-10 | CCB-22 | CCB-34 | CCB-43 | MB 27357 (167)-11 | | | |
|---|---|---|---|---|---|---|---|---|
| **Mercury** | .5 U | .5 U | .5 U | .5 U | 83 U | | | |

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

# FORM5/FORM7

## SPIKE RECOVERY DATA

PREP BATCH: 27365

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCS Matrix: AQUEOUS SampleID: LCSW 27365

| Analyte | BatchId | DF | Data Fil | Seq#: | Spk Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27365 | 1 | A15652A2 | 14 | 4.8018 | 5.000 | 96 | | 85 | 115 |
| Antimony | 27365 | 1 | A15652A2 | 14 | 0.4692 | .5000 | 94 | | 85 | 115 |
| Arsenic | 27365 | 1 | A15652A2 | 14 | 0.4579 | .5000 | 92 | | 85 | 115 |
| Barium | 27365 | 1 | A15652A2 | 14 | 0.4851 | .5000 | 97 | | 85 | 115 |
| Beryllium | 27365 | 1 | A15652A2 | 14 | 0.4713 | .5000 | 94 | | 85 | 115 |
| Cadmium | 27365 | 1 | A15652A2 | 14 | 0.4767 | .5000 | 95 | | 85 | 115 |
| Calcium | 27365 | 1 | A15652A2 | 14 | 48.4382 | 50.000 | 97 | | 85 | 115 |
| Chromium | 27365 | 1 | A15652A2 | 14 | 0.4825 | .5000 | 96 | | 85 | 115 |
| Cobalt | 27365 | 1 | A15652A2 | 14 | 0.4825 | .5000 | 96 | | 85 | 115 |
| Copper | 27365 | 1 | A15652A2 | 14 | 0.4575 | .5000 | 92 | | 85 | 115 |
| Iron | 27365 | 1 | A15652A2 | 14 | 4.8386 | 5.000 | 97 | | 85 | 115 |
| Lead | 27365 | 1 | A15652A2 | 14 | 0.4724 | .5000 | 94 | | 85 | 115 |
| Magnesium | 27365 | 1 | A15652A2 | 14 | 48.6801 | 50.000 | 97 | | 85 | 115 |
| Manganese | 27365 | 1 | A15652A2 | 14 | 0.4628 | .5000 | 93 | | 85 | 115 |
| Mercury | 27365 | 1 | H15652A | 12 | 10.6495 | 10 | 106 | | 85 | 115 |
| Nickel | 27365 | 1 | A15652A2 | 14 | 0.4789 | .5000 | 96 | | 85 | 115 |
| Potassium | 27365 | 1 | A15652C2 | 11 | 45.1917 | 50.000 | 90 | | 85 | 115 |
| Selenium | 27365 | 1 | A15652A2 | 14 | 0.4830 | .5000 | 97 | | 85 | 115 |
| Silver | 27365 | 1 | A15652A2 | 14 | 0.0936 | 0.1000 | 94 | | 85 | 115 |
| Sodium | 27365 | 1 | A15652C2 | 11 | 46.4868 | 50.000 | 93 | | 85 | 115 |
| Thallium | 27365 | 1 | A15652A2 | 14 | 0.4923 | .5000 | 98 | | 85 | 115 |
| Vanadium | 27365 | 1 | A15652A2 | 14 | 0.4809 | .5000 | 96 | | 85 | 115 |
| Zinc | 27365 | 1 | A15652A2 | 14 | 0.4846 | .5000 | 97 | | 85 | 115 |

TxtQcType: LCSMR Matrix: AQUEOUS SampleID: LCSW MR 27365

| Analyte | BatchId | DF | Data Fil | Seq#: | Spk Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27365 | 1 | A15652A2 | 15 | 4.7677 | 5.000 | 95 | | 85 | 115 |
| Antimony | 27365 | 1 | A15652A2 | 15 | 0.4668 | .5000 | 93 | | 85 | 115 |
| Arsenic | 27365 | 1 | A15652A2 | 15 | 0.4549 | .5000 | 91 | | 85 | 115 |
| Barium | 27365 | 1 | A15652A2 | 15 | 0.4820 | .5000 | 96 | | 85 | 115 |
| Beryllium | 27365 | 1 | A15652A2 | 15 | 0.4721 | .5000 | 94 | | 85 | 115 |
| Cadmium | 27365 | 1 | A15652A2 | 15 | 0.4736 | .5000 | 95 | | 85 | 115 |
| Calcium | 27365 | 1 | A15652A2 | 15 | 48.4661 | 50.000 | 97 | | 85 | 115 |
| Chromium | 27365 | 1 | A15652A2 | 15 | 0.4785 | .5000 | 96 | | 85 | 115 |
| Cobalt | 27365 | 1 | A15652A2 | 15 | 0.4800 | .5000 | 96 | | 85 | 115 |
| Copper | 27365 | 1 | A15652A2 | 15 | 0.4542 | .5000 | 91 | | 85 | 115 |
| Iron | 27365 | 1 | A15652A2 | 15 | 4.8295 | 5.000 | 97 | | 85 | 115 |
| Lead | 27365 | 1 | A15652A2 | 15 | 0.4747 | .5000 | 95 | | 85 | 115 |
| Magnesium | 27365 | 1 | A15652A2 | 15 | 48.8261 | 50.000 | 98 | | 85 | 115 |
| Manganese | 27365 | 1 | A15652A2 | 15 | 0.4691 | .5000 | 94 | | 85 | 115 |
| Mercury | 27365 | 1 | H15652A | 13 | 10.4004 | 10 | 104 | | 85 | 115 |
| Nickel | 27365 | 1 | A15652A2 | 15 | 0.4755 | .5000 | 95 | | 85 | 115 |
| Potassium | 27365 | 1 | A15652C2 | 12 | 44.0776 | 50.000 | 88 | | 85 | 115 |
| Selenium | 27365 | 1 | A15652A2 | 15 | 0.4831 | .5000 | 97 | | 85 | 115 |
| Silver | 27365 | 1 | A15652A2 | 15 | 0.0929 | 0.1000 | 93 | | 85 | 115 |
| Sodium | 27365 | 1 | A15652C2 | 12 | 45.9965 | 50.000 | 92 | | 85 | 115 |
| Thallium | 27365 | 1 | A15652A2 | 15 | 0.4918 | .5000 | 98 | | 85 | 115 |
| Vanadium | 27365 | 1 | A15652A2 | 15 | 0.4786 | .5000 | 96 | | 85 | 115 |
| Zinc | 27365 | 1 | A15652A2 | 15 | 0.4801 | .5000 | 96 | | 85 | 115 |

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

# FORM5/FORM7

## SPIKE RECOVERY DATA

PREP BATCH: 27365

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MS Matrix: AQUEOUS SampleID: AC75362-002

| Analyte | BatchId | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 4.6682 | 0.2U | 5.000 | 93 | | 70 | 130 |
| Antimony | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4586 | 0.015U | .5000 | 92 | | 70 | 130 |
| Arsenic | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4426 | 0.04U | .5000 | 89 | | 70 | 130 |
| Barium | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.5095 | 0.05U | .5000 | 102 | | 70 | 130 |
| Beryllium | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4619 | 0.008U | .5000 | 92 | | 70 | 130 |
| Cadmium | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4653 | 0.004U | .5000 | 93 | | 70 | 130 |
| Calcium | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 132.0710 | 86.7499 | 50.000 | 91 | | 70 | 130 |
| Chromium | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4637 | 0.05U | .5000 | 93 | | 70 | 130 |
| Cobalt | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4619 | 0.02U | .5000 | 92 | | 70 | 130 |
| Copper | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4455 | 0.05U | .5000 | 89 | | 70 | 130 |
| Iron | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 5.1263 | 0.5054 | 5.000 | 92 | | 70 | 130 |
| Lead | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4586 | 0.010U | .5000 | 92 | | 70 | 130 |
| Magnesium | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 73.4184 | 27.1143 | 50.000 | 93 | | 70 | 130 |
| Manganese | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.8476 | 0.3970 | .5000 | 90 | | 70 | 130 |
| Mercury | 27365 | 1 | H15652A | 16 | H15652A | 14 | 10.5174 | 0.2U | 10 | 105 | | 70 | 130 |
| Nickel | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4518 | 0.02U | .5000 | 90 | | 70 | 130 |
| Potassium | 27365 | 1 | A15652C2 | 15 | A15652C2 | 13 | 48.4023 | 5.5235 | 50.000 | 86 | | 70 | 130 |
| Selenium | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4672 | 0.05U | .5000 | 93 | | 70 | 130 |
| Silver | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.0910 | 0.02U | 0.100 | 91 | | 70 | 130 |
| Sodium | 27365 | 1 | A15652C2 | 15 | A15652C2 | 13 | 64.3544 | 19.0026 | 50.000 | 91 | | 70 | 130 |
| Thallium | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4724 | 0.01U | .5000 | 94 | | 70 | 130 |
| Vanadium | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4644 | 0.05U | .5000 | 93 | | 70 | 130 |
| Zinc | 27365 | 1 | A15652A2 | 18 | A15652A2 | 16 | 0.4632 | 0.05U | .5000 | 93 | | 70 | 130 |

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC75362-002

| Analyte | BatchId | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 4.8371 | 0.2U | 5.000 | 97 | | 70 | 130 |
| Antimony | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4745 | 0.015U | .5000 | 95 | | 70 | 130 |
| Arsenic | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4553 | 0.04U | .5000 | 91 | | 70 | 130 |
| Barium | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.5222 | 0.05U | .5000 | 104 | | 70 | 130 |
| Beryllium | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4692 | 0.008U | .5000 | 94 | | 70 | 130 |
| Cadmium | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4730 | 0.004U | .5000 | 95 | | 70 | 130 |
| Calcium | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 133.1280 | 86.7499 | 50.000 | 93 | | 70 | 130 |
| Chromium | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4764 | 0.05U | .5000 | 95 | | 70 | 130 |
| Cobalt | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4701 | 0.02U | .5000 | 94 | | 70 | 130 |
| Copper | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4574 | 0.05U | .5000 | 91 | | 70 | 130 |
| Iron | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 5.2619 | 0.5054 | 5.000 | 95 | | 70 | 130 |
| Lead | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4671 | 0.010U | .5000 | 93 | | 70 | 130 |
| Magnesium | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 74.7487 | 27.1143 | 50.000 | 95 | | 70 | 130 |
| Manganese | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.8458 | 0.3970 | .5000 | 90 | | 70 | 130 |
| Mercury | 27365 | 1 | H15652A | 17 | H15652A | 14 | 10.3209 | 0.2U | 10 | 103 | | 70 | 130 |
| Nickel | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4647 | 0.02U | .5000 | 93 | | 70 | 130 |
| Potassium | 27365 | 1 | A15652C2 | 16 | A15652C2 | 13 | 49.7479 | 5.5235 | 50.000 | 88 | | 70 | 130 |
| Selenium | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4828 | 0.05U | .5000 | 97 | | 70 | 130 |
| Silver | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.0939 | 0.02U | 0.100 | 94 | | 70 | 130 |
| Sodium | 27365 | 1 | A15652C2 | 16 | A15652C2 | 13 | 65.4890 | 19.0026 | 50.000 | 93 | | 70 | 130 |
| Thallium | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4835 | 0.01U | .5000 | 97 | | 70 | 130 |
| Vanadium | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4786 | 0.05U | .5000 | 96 | | 70 | 130 |
| Zinc | 27365 | 1 | A15652A2 | 19 | A15652A2 | 16 | 0.4760 | 0.05U | .5000 | 95 | | 70 | 130 |

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

# FORM5/FORM7
## SPIKE RECOVERY DATA
PREP BATCH: 27365

Instrument Type: ICPMS
Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCS Matrix: AQUEOUS SampleID: LCSW 27365

| Analyte | BatchId | DF | Data Fil | Seq#: | Spk Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27365 | 1 | W110413 | 13 | 56.6730 | 56 | 101 | | 85 | 115 |
| Arsenic | 27365 | 1 | W110413 | 13 | 57.9200 | 56 | 103 | | 85 | 115 |
| Beryllium | 27365 | 1 | W110413 | 13 | 58.9910 | 56 | 105 | | 85 | 115 |
| Cadmium | 27365 | 1 | W110413 | 13 | 55.8160 | 56 | 100 | | 85 | 115 |
| Lead | 27365 | 1 | W110413 | 13 | 55.8100 | 56 | 100 | | 85 | 115 |
| Thallium | 27365 | 1 | W110413 | 13 | 52.3070 | 56 | 93 | | 85 | 115 |

TxtQcType: LCSMR Matrix: AQUEOUS SampleID: LCSW MR 27365

| Analyte | BatchId | DF | Data Fil | Seq#: | Spk Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27365 | 1 | W110413 | 14 | 52.4430 | 56 | 94 | | 85 | 115 |
| Arsenic | 27365 | 1 | W110413 | 14 | 53.5510 | 56 | 96 | | 85 | 115 |
| Beryllium | 27365 | 1 | W110413 | 14 | 54.1810 | 56 | 97 | | 85 | 115 |
| Cadmium | 27365 | 1 | W110413 | 14 | 52.5920 | 56 | 94 | | 85 | 115 |
| Lead | 27365 | 1 | W110413 | 14 | 52.6440 | 56 | 94 | | 85 | 115 |
| Thallium | 27365 | 1 | W110413 | 14 | 49.3850 | 56 | 88 | | 85 | 115 |

TxtQcType: MS Matrix: AQUEOUS SampleID: AC75362-002

| Analyte | BatchId | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27365 | 1 | W110413 | 17 | W110413 | 15 | 54.5670 | 2.0U | 56 | 97 | | 70 | 130 |
| Arsenic | 27365 | 1 | W110413 | 17 | W110413 | 15 | 54.3590 | 0.8U | 56 | 97 | | 70 | 130 |
| Beryllium | 27365 | 1 | W110413 | 17 | W110413 | 15 | 56.3280 | 0.6U | 56 | 101 | | 70 | 130 |
| Cadmium | 27365 | 1 | W110413 | 17 | W110413 | 15 | 52.9090 | 0.8U | 56 | 94 | | 70 | 130 |
| Lead | 27365 | 1 | W110413 | 17 | W110413 | 15 | 52.4150 | 0.6U | 56 | 94 | | 70 | 130 |
| Thallium | 27365 | 1 | W110413 | 17 | W110413 | 15 | 49.7000 | 1.2U | 56 | 89 | | 70 | 130 |

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC75362-002

| Analyte | BatchId | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27365 | 1 | W110413 | 18 | W110413 | 15 | 53.6630 | 2.0U | 56 | 96 | | 70 | 130 |
| Arsenic | 27365 | 1 | W110413 | 18 | W110413 | 15 | 54.0810 | 0.8U | 56 | 97 | | 70 | 130 |
| Beryllium | 27365 | 1 | W110413 | 18 | W110413 | 15 | 57.8060 | 0.6U | 56 | 103 | | 70 | 130 |
| Cadmium | 27365 | 1 | W110413 | 18 | W110413 | 15 | 52.3120 | 0.8U | 56 | 93 | | 70 | 130 |
| Lead | 27365 | 1 | W110413 | 18 | W110413 | 15 | 51.3900 | 0.6U | 56 | 92 | | 70 | 130 |
| Thallium | 27365 | 1 | W110413 | 18 | W110413 | 15 | 48.7880 | 1.2U | 56 | 87 | | 70 | 130 |

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

# FORM5/FORM7

## SPIKE RECOVERY DATA

PREP BATCH: 27357

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 27357

| Analyte | BatchId | DF | Data Fil | Seq#: | Spk Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27357 | 1 | S15644D3 | 13 | 78.6119 | 88.4 | 89 | | 54 | 146 |
| Arsenic | 27357 | 1 | S15644C3 | 14 | 0.8946 | 0.996 | 90 | | 81 | 119 |
| Barium | 27357 | 1 | S15644C3 | 14 | 2.8555 | 3.10 | 92 | | 83 | 117 |
| Calcium | 27357 | 1 | S15644D3 | 13 | 68.5188 | 67.9 | 101 | | 83 | 118 |
| Chromium | 27357 | 1 | S15644C3 | 14 | 1.2867 | 1.36 | 95 | | 80 | 121 |
| Cobalt | 27357 | 1 | S15644C3 | 14 | 1.2456 | 1.28 | 97 | | 83 | 116 |
| Copper | 27357 | 1 | S15644C3 | 14 | 0.9938 | 1.02 | 97 | | 81 | 119 |
| Iron | 27357 | 1 | S15644D3 | 13 | 128.1410 | 126 | 102 | | 41 | 158 |
| Lead | 27357 | 1 | S15644C3 | 14 | 1.0603 | 1.15 | 92 | | 82 | 119 |
| Magnesium | 27357 | 1 | S15644D3 | 13 | 29.9319 | 30.1 | 99 | | 77 | 123 |
| Manganese | 27357 | 1 | S15644D3 | 13 | 3.1941 | 3.23 | 99 | | 82 | 117 |
| Mercury | 27357 | 10 | H15644S | 15 | 11.9114 | 119.2 | 100 | | 69 | 130 |
| Nickel | 27357 | 1 | S15644C3 | 14 | 1.4920 | 1.53 | 98 | | 82 | 118 |
| Potassium | 27357 | 1 | S15644D3 | 13 | 27.5851 | 28.4 | 97 | | 71 | 129 |
| Sodium | 27357 | 1 | S15644D3 | 13 | 27.1571 | 27.6 | 98 | | 71 | 129 |
| Thallium | 27357 | 1 | S15644C3 | 14 | 1.6367 | 1.74 | 94 | | 79 | 122 |
| Vanadium | 27357 | 1 | S15644C3 | 14 | 0.8966 | 0.976 | 92 | | 77 | 123 |
| Zinc | 27357 | 1 | S15644C3 | 14 | 1.4806 | 1.61 | 92 | | 81 | 119 |

TxtQcType: LCS Matrix: SOIL SampleID: LCS 27357

| Analyte | BatchId | DF | Data Fil | Seq#: | Spk Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27357 | 1 | S15644D3 | 12 | 77.6904 | 88.4 | 88 | | 54 | 146 |
| Arsenic | 27357 | 1 | S15644C3 | 13 | 0.9306 | 0.996 | 93 | | 81 | 119 |
| Barium | 27357 | 1 | S15644C3 | 13 | 2.9725 | 3.10 | 96 | | 83 | 117 |
| Calcium | 27357 | 1 | S15644D3 | 12 | 67.0486 | 67.9 | 99 | | 83 | 118 |
| Chromium | 27357 | 1 | S15644C3 | 13 | 1.3036 | 1.36 | 96 | | 80 | 121 |
| Cobalt | 27357 | 1 | S15644C3 | 13 | 1.2639 | 1.28 | 99 | | 83 | 116 |
| Copper | 27357 | 1 | S15644C3 | 13 | 0.9935 | 1.02 | 97 | | 81 | 119 |
| Iron | 27357 | 1 | S15644D3 | 12 | 128.4620 | 126 | 102 | | 41 | 158 |
| Lead | 27357 | 1 | S15644C3 | 13 | 1.0881 | 1.15 | 95 | | 82 | 119 |
| Magnesium | 27357 | 1 | S15644D3 | 12 | 29.9254 | 30.1 | 99 | | 77 | 123 |
| Manganese | 27357 | 1 | S15644D3 | 12 | 3.1856 | 3.23 | 99 | | 82 | 117 |
| Mercury | 27357 | 10 | H15644S | 14 | 12.6926 | 119.2 | 106 | | 69 | 130 |
| Nickel | 27357 | 1 | S15644C3 | 13 | 1.4901 | 1.53 | 97 | | 82 | 118 |
| Potassium | 27357 | 1 | S15644D3 | 12 | 27.8807 | 28.4 | 98 | | 71 | 129 |
| Sodium | 27357 | 1 | S15644D3 | 12 | 27.0373 | 27.6 | 98 | | 71 | 129 |
| Thallium | 27357 | 1 | S15644C3 | 13 | 1.6981 | 1.74 | 98 | | 79 | 122 |
| Vanadium | 27357 | 1 | S15644C3 | 13 | 0.9052 | 0.976 | 93 | | 77 | 123 |
| Zinc | 27357 | 1 | S15644C3 | 13 | 1.5013 | 1.61 | 93 | | 81 | 119 |

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

# FORM5/FORM7

3102513 0142

## SPIKE RECOVERY DATA

PREP BATCH: 27357

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27357 | 1 | S15644D3 | 17 | S15644D3 | 14 | 80.5369 | 63.5472 | 5.0 | 340 | b | 75 | 125 |
| Arsenic | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 0.4718 | 0.04U | 0.5 | 94 | | 75 | 125 |
| Barium | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 0.8972 | 0.3785 | 0.5 | 104 | | 75 | 125 |
| Calcium | 27357 | 1 | S15644D3 | 17 | S15644D3 | 14 | 79.7165 | 26.4295 | 50 | 107 | | 75 | 125 |
| Chromium | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 0.5711 | 0.1071 | 0.5 | 93 | | 75 | 125 |
| Cobalt | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 0.5284 | 0.0546 | 0.5 | 95 | | 75 | 125 |
| Copper | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 0.6301 | 0.1532 | 0.5 | 95 | | 75 | 125 |
| Iron | 27357 | 1 | S15644D3 | 17 | S15644D3 | 14 | 133.8190 | 129.1140 | 5.0 | 94 | | 75 | 125 |
| Lead | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 1.0608 | 0.3383 | 0.5 | 145 | a | 75 | 125 |
| Magnesium | 27357 | 1 | S15644D3 | 17 | S15644D3 | 14 | 75.5522 | 26.2494 | 50 | 99 | | 75 | 125 |
| Manganese | 27357 | 1 | S15644D3 | 17 | S15644D3 | 14 | 3.0805 | 2.1108 | 0.5 | 194 | b | 75 | 125 |
| Mercury | 27357 | 1 | H15644S | 19 | H15644S | 16 | 11.4785 | 0.9570 | 10 | 105 | | 75 | 125 |
| Nickel | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 0.5994 | 0.1373 | 0.5 | 92 | | 75 | 125 |
| Potassium | 27357 | 1 | S15644D3 | 17 | S15644D3 | 14 | 59.1921 | 9.0879 | 50 | 100 | | 75 | 125 |
| Sodium | 27357 | 1 | S15644D3 | 17 | S15644D3 | 14 | 50.7805 | 2.5U | 50 | 102 | | 75 | 125 |
| Thallium | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 0.4757 | 0.015U | 0.5 | 95 | | 75 | 125 |
| Vanadium | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 0.6060 | 0.1411 | 0.5 | 93 | | 75 | 125 |
| Zinc | 27357 | 1 | S15644C3 | 18 | S15644C3 | 15 | 0.8222 | 0.3538 | 0.5 | 94 | | 75 | 125 |

TxtQcType: MS Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27357 | 1 | S15644D3 | 16 | S15644D3 | 14 | 77.5140 | 63.5472 | 5.0 | 279 | b | 75 | 125 |
| Arsenic | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.4780 | 0.04U | 0.5 | 96 | | 75 | 125 |
| Barium | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.9230 | 0.3785 | 0.5 | 109 | | 75 | 125 |
| Calcium | 27357 | 1 | S15644D3 | 16 | S15644D3 | 14 | 83.3205 | 26.4295 | 50 | 114 | | 75 | 125 |
| Chromium | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.5903 | 0.1071 | 0.5 | 97 | | 75 | 125 |
| Cobalt | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.5455 | 0.0546 | 0.5 | 98 | | 75 | 125 |
| Copper | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.6557 | 0.1532 | 0.5 | 101 | | 75 | 125 |
| Iron | 27357 | 1 | S15644D3 | 16 | S15644D3 | 14 | 135.5440 | 129.1140 | 5.0 | 129 | b | 75 | 125 |
| Lead | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.9230 | 0.3383 | 0.5 | 117 | | 75 | 125 |
| Magnesium | 27357 | 1 | S15644D3 | 16 | S15644D3 | 14 | 76.0659 | 26.2494 | 50 | 100 | | 75 | 125 |
| Manganese | 27357 | 1 | S15644D3 | 16 | S15644D3 | 14 | 2.7360 | 2.1108 | 0.5 | 125 | | 75 | 125 |
| Mercury | 27357 | 1 | H15644S | 18 | H15644S | 16 | 10.8118 | 0.9570 | 10 | 99 | | 75 | 125 |
| Nickel | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.6133 | 0.1373 | 0.5 | 95 | | 75 | 125 |
| Potassium | 27357 | 1 | S15644D3 | 16 | S15644D3 | 14 | 58.7352 | 9.0879 | 50 | 99 | | 75 | 125 |
| Sodium | 27357 | 1 | S15644D3 | 16 | S15644D3 | 14 | 50.6497 | 2.5U | 50 | 101 | | 75 | 125 |
| Thallium | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.4804 | 0.015U | 0.5 | 96 | | 75 | 125 |
| Vanadium | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.6178 | 0.1411 | 0.5 | 95 | | 75 | 125 |
| Zinc | 27357 | 1 | S15644C3 | 17 | S15644C3 | 15 | 0.8633 | 0.3538 | 0.5 | 102 | | 75 | 125 |

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

# FORM5/FORM7

## SPIKE RECOVERY DATA

PREP BATCH: 27357

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SOIL SampleID: AC75388-001

| Analyte | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 1 | S15644D3 | 18 | S15644D3 | 14 | 68.4550 | 63.5472 | 5.0 | 98 | | 80 | 120 |
| Arsenic | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.4729 | 0.04U | 0.50 | 95 | | 80 | 120 |
| Barium | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.8418 | 0.3785 | 0.50 | 93 | | 80 | 120 |
| Calcium | 1 | S15644D3 | 18 | S15644D3 | 14 | 76.5144 | 26.4295 | 50 | 100 | | 80 | 120 |
| Chromium | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.5667 | 0.1071 | 0.50 | 92 | | 80 | 120 |
| Cobalt | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.5292 | 0.0546 | 0.50 | 95 | | 80 | 120 |
| Copper | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.6209 | 0.1532 | 0.50 | 94 | | 80 | 120 |
| Iron | 1 | S15644D3 | 18 | S15644D3 | 14 | 134.2430 | 129.1140 | 5.0 | 103 | | 80 | 120 |
| Lead | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.7972 | 0.3383 | 0.50 | 92 | | 80 | 120 |
| Magnesium | 1 | S15644D3 | 18 | S15644D3 | 14 | 76.8957 | 26.2494 | 50 | 101 | | 80 | 120 |
| Manganese | 1 | S15644D3 | 18 | S15644D3 | 14 | 2.5915 | 2.1108 | 0.50 | 96 | | 80 | 120 |
| Nickel | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.5954 | 0.1373 | 0.50 | 92 | | 80 | 120 |
| Potassium | 1 | S15644D3 | 18 | S15644D3 | 14 | 58.9665 | 9.0879 | 50 | 100 | | 80 | 120 |
| Sodium | 1 | S15644D3 | 18 | S15644D3 | 14 | 50.7185 | 2.5U | 50 | 101 | | 80 | 120 |
| Thallium | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.4788 | 0.015U | 0.50 | 96 | | 80 | 120 |
| Vanadium | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.5937 | 0.1411 | 0.50 | 91 | | 80 | 120 |
| Zinc | 1 | S15644C3 | 19 | S15644C3 | 15 | 0.7988 | 0.3538 | 0.50 | 89 | | 80 | 120 |

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

# FORM5/FORM7

## SPIKE RECOVERY DATA

PREP BATCH: 27358

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 27358

| Analyte | BatchId | DF | Data Fil | Seq#: | Spk Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27358 | 1 | S103113B | 18 | 27.6700 | 88.2 | 31 | | 0.023 | 231 |
| Beryllium | 27358 | 1 | S103113B | 18 | 81.7900 | 72.3 | 113 | | 82 | 118 |
| Cadmium | 27358 | 1 | S103113B | 18 | 212.9000 | 182 | 117 | | 82 | 118 |
| Selenium | 27358 | 1 | S103113B | 18 | 171.3000 | 150 | 114 | | 77 | 123 |
| Silver | 27358 | 1 | S103113B | 18 | 45.6500 | 40.4 | 113 | | 75 | 125 |

TxtQcType: LCS Matrix: SOIL SampleID: LCS 27358

| Analyte | BatchId | DF | Data Fil | Seq#: | Spk Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27358 | 1 | S103113B | 17 | 22.2800 | 88.2 | 25 | | 0.023 | 231 |
| Beryllium | 27358 | 1 | S103113B | 17 | 76.8500 | 72.3 | 106 | | 82 | 118 |
| Cadmium | 27358 | 1 | S103113B | 17 | 199.7000 | 182 | 110 | | 82 | 118 |
| Selenium | 27358 | 1 | S103113B | 17 | 170.0000 | 150 | 113 | | 77 | 123 |
| Silver | 27358 | 1 | S103113B | 17 | 41.7700 | 40.4 | 103 | | 75 | 125 |

TxtQcType: MSD Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27358 | 1 | S103113B | 23 | S103113B | 19 | 68.0600 | 1U | 250 | 27 | a | 75 | 125 |
| Beryllium | 27358 | 1 | S103113B | 23 | S103113B | 19 | 190.8000 | 1.0790 | 250 | 76 | | 75 | 125 |
| Cadmium | 27358 | 1 | S103113B | 23 | S103113B | 19 | 231.8000 | 2U | 250 | 93 | | 75 | 125 |
| Selenium | 27358 | 1 | S103113B | 23 | S103113B | 19 | 230.7000 | 10U | 250 | 92 | | 75 | 125 |
| Silver | 27358 | 1 | S103113B | 23 | S103113B | 19 | 44.2100 | 1U | 50 | 88 | | 75 | 125 |

TxtQcType: MS Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27358 | 1 | S103113B | 22 | S103113B | 19 | 60.9500 | 1U | 250 | 24 | a | 75 | 125 |
| Beryllium | 27358 | 1 | S103113B | 22 | S103113B | 19 | 195.7000 | 1.0790 | 250 | 78 | | 75 | 125 |
| Cadmium | 27358 | 1 | S103113B | 22 | S103113B | 19 | 224.8000 | 2U | 250 | 90 | | 75 | 125 |
| Selenium | 27358 | 1 | S103113B | 22 | S103113B | 19 | 218.4000 | 10U | 250 | 87 | | 75 | 125 |
| Silver | 27358 | 1 | S103113B | 22 | S103113B | 19 | 43.1700 | 1U | 50 | 86 | | 75 | 125 |

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

# FORM5/FORM7

## SPIKE RECOVERY DATA

PREP BATCH: 27358

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SOIL SampleID: AC75388-001

| Analyte | DF | Data Fil | Seq#: | NS Data Fil | Seq# | Spk Conc: | NS Conc: | Spk Adde | Recov | Qual | Lo Lim | Hi Lim |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 1 | S103113B | 24 | S103113B | 19 | 47.8900 | 1U | 50 | 96 | | 80 | 120 |
| Beryllium | 1 | S103113B | 24 | S103113B | 19 | 39.8400 | 1.0790 | 50 | 78 | a | 80 | 120 |
| Cadmium | 1 | S103113B | 24 | S103113B | 19 | 47.7300 | 2U | 50 | 95 | | 80 | 120 |
| Selenium | 1 | S103113B | 24 | S103113B | 19 | 232.9000 | 10U | 250 | 93 | | 80 | 120 |
| Silver | 1 | S103113B | 24 | S103113B | 19 | 46.8900 | 1U | 50 | 94 | | 80 | 120 |

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

# FORM6/FORM9

## RPD/%Difference Data

PREP BATCH: 27365

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: AQUEOUS SampleID: LCSW MR 27365

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | Result 1 | Result 2 | RPD | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27365 | A15652A2 | 15 | A15652A2 | 14 | 4.7677 | 4.8018 | .71 | 20 |
| Antimony | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4668 | 0.4692 | .51 | 20 |
| Arsenic | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4549 | 0.4579 | .66 | 20 |
| Barium | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4820 | 0.4851 | .64 | 20 |
| Beryllium | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4721 | 0.4713 | .15 | 20 |
| Cadmium | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4736 | 0.4767 | .64 | 20 |
| Calcium | 27365 | A15652A2 | 15 | A15652A2 | 14 | 48.4661 | 48.4382 | .058 | 20 |
| Chromium | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4785 | 0.4825 | .83 | 20 |
| Cobalt | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4800 | 0.4825 | .52 | 20 |
| Copper | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4542 | 0.4575 | .72 | 20 |
| Iron | 27365 | A15652A2 | 15 | A15652A2 | 14 | 4.8295 | 4.8386 | .19 | 20 |
| Lead | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4747 | 0.4724 | .49 | 20 |
| Magnesium | 27365 | A15652A2 | 15 | A15652A2 | 14 | 48.8261 | 48.6801 | .3 | 20 |
| Manganese | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4691 | 0.4628 | 1.3 | 20 |
| Mercury | 27365 | H15652A | 13 | H15652A | 12 | 10.4004 | 10.6495 | 2.4 | 20 |
| Nickel | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4755 | 0.4789 | .73 | 20 |
| Potassium | 27365 | A15652C2 | 12 | A15652C2 | 11 | 44.0776 | 45.1917 | 2.5 | 20 |
| Selenium | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4831 | 0.4830 | .024 | 20 |
| Silver | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.0929 | 0.0936 | .73 | 20 |
| Sodium | 27365 | A15652C2 | 12 | A15652C2 | 11 | 45.9965 | 46.4868 | 1.1 | 20 |
| Thallium | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4918 | 0.4923 | .11 | 20 |
| Vanadium | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4786 | 0.4809 | .48 | 20 |
| Zinc | 27365 | A15652A2 | 15 | A15652A2 | 14 | 0.4801 | 0.4846 | .92 | 20 |

TxtQcType: MR Matrix: AQUEOUS SampleID: AC75362-002

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | Result 1 | Result 2 | RPD | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.2U | 0.2U | --- | 20 |
| Antimony | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.015U | 0.015U | --- | 20 |
| Arsenic | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.04U | 0.04U | --- | 20 |
| Barium | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.05U | 0.05U | --- | 20 |
| Beryllium | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.008U | 0.008U | --- | 20 |
| Cadmium | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.004U | 0.004U | --- | 20 |
| Calcium | 27365 | A15652A2 | 17 | A15652A2 | 16 | 91.4220 | 86.7499 | 5.2 | 20 |
| Chromium | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.05U | 0.05U | --- | 20 |
| Cobalt | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.02U | 0.02U | --- | 20 |
| Copper | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.05U | 0.05U | --- | 20 |
| Iron | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.4903 | 0.5054 | 3 | 20 |
| Lead | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.010U | 0.010U | --- | 20 |
| Magnesium | 27365 | A15652A2 | 17 | A15652A2 | 16 | 28.7076 | 27.1143 | 5.7 | 20 |
| Manganese | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.4112 | 0.3970 | 3.5 | 20 |
| Mercury | 27365 | H15652A | 15 | H15652A | 14 | 0.2U | 0.2U | --- | 20 |
| Nickel | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.02U | 0.02U | --- | 20 |
| Potassium | 27365 | A15652C2 | 14 | A15652C2 | 13 | 5.6070 | 5.5235 | 1.5 | 20 |
| Selenium | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.05U | 0.05U | --- | 20 |
| Silver | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.02U | 0.02U | --- | 20 |
| Sodium | 27365 | A15652C2 | 14 | A15652C2 | 13 | 19.2159 | 19.0026 | 1.1 | 20 |
| Thallium | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.01U | 0.01U | --- | 20 |
| Vanadium | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.05U | 0.05U | --- | 20 |
| Zinc | 27365 | A15652A2 | 17 | A15652A2 | 16 | 0.05U | 0.05U | --- | 20 |

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

# FORM6/FORM9

## RPD/%Difference Data

PREP BATCH: 27365

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC75362-002

| Analyte | BatchId | Data Fil | Seq#: | MS File | Seq# | Result 1 | Result 2 | RPD | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27365 | A15652A2 | 19 | A15652A2 | 18 | 4.8371 | 4.6682 | 3.6 | 20 |
| Antimony | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4745 | 0.4586 | 3.4 | 20 |
| Arsenic | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4553 | 0.4426 | 2.8 | 20 |
| Barium | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.5222 | 0.5095 | 2.5 | 20 |
| Beryllium | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4692 | 0.4619 | 1.6 | 20 |
| Cadmium | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4730 | 0.4653 | 1.6 | 20 |
| Calcium | 27365 | A15652A2 | 19 | A15652A2 | 18 | 133.1280 | 132.0710 | .8 | 20 |
| Chromium | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4764 | 0.4637 | 2.7 | 20 |
| Cobalt | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4701 | 0.4619 | 1.8 | 20 |
| Copper | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4574 | 0.4455 | 2.6 | 20 |
| Iron | 27365 | A15652A2 | 19 | A15652A2 | 18 | 5.2619 | 5.1263 | 2.6 | 20 |
| Lead | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4671 | 0.4586 | 1.8 | 20 |
| Magnesium | 27365 | A15652A2 | 19 | A15652A2 | 18 | 74.7487 | 73.4184 | 1.8 | 20 |
| Manganese | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.8458 | 0.8476 | .22 | 20 |
| Mercury | 27365 | H15652A | 17 | H15652A | 16 | 10.3209 | 10.5174 | 1.9 | 20 |
| Nickel | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4647 | 0.4518 | 2.8 | 20 |
| Potassium | 27365 | A15652C2 | 16 | A15652C2 | 15 | 49.7479 | 48.4023 | 2.7 | 20 |
| Selenium | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4828 | 0.4672 | 3.3 | 20 |
| Silver | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.0939 | 0.0910 | 3.2 | 20 |
| Sodium | 27365 | A15652C2 | 16 | A15652C2 | 15 | 65.4890 | 64.3544 | 1.7 | 20 |
| Thallium | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4835 | 0.4724 | 2.3 | 20 |
| Vanadium | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4786 | 0.4644 | 3 | 20 |
| Zinc | 27365 | A15652A2 | 19 | A15652A2 | 18 | 0.4760 | 0.4632 | 2.7 | 20 |

TxtQcType: SD Matrix: AQUEOUS SampleID: AC75362-002

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | DF | Result 1 | Result 2 | %Diff | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0171 | 0.1147 | 25 | c | 10 |
| Antimony | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0125 | 0.0062 | 914 | c | 10 |
| Arsenic | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0015 | 0.0025 | --- | | 10 |
| Barium | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0095 | 0.0441 | 7.6 | | 10 |
| Beryllium | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0012 | 0.0012 | 417 | a | 10 |
| Cadmium | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0006 | 0.0005 | --- | | 10 |
| Calcium | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 17.4842 | 86.7499 | 0.77 | | 10 |
| Chromium | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0007 | 0.0014 | 158 | c | 10 |
| Cobalt | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0012 | 0.0010 | 456 | c | 10 |
| Copper | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | -0.0082 | -0.0023 | --- | | 10 |
| Iron | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.1035 | 0.5054 | 2.4 | | 10 |
| Lead | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0032 | 0.0042 | 278 | c | 10 |
| Magnesium | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 5.4857 | 27.1143 | 1.2 | | 10 |
| Manganese | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0809 | 0.3970 | 1.9 | | 10 |
| Nickel | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | -0.0019 | -0.0014 | --- | | 10 |
| Potassium | 27365 | A15652C2 | 20 | A15652C2 | 13 | 5 | 1.5647 | 5.5235 | 42 | a | 10 |
| Selenium | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0033 | -0.0034 | --- | | 10 |
| Silver | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | -0.0002 | 0.0007 | --- | | 10 |
| Sodium | 27365 | A15652C2 | 20 | A15652C2 | 13 | 5 | 3.9614 | 19.0026 | 4.2 | | 10 |
| Thallium | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0011 | -0.0001 | --- | | 10 |
| Vanadium | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0016 | 0.0066 | 25 | c | 10 |
| Zinc | 27365 | A15652A2 | 21 | A15652A2 | 16 | 5 | 0.0024 | 0.0105 | 14 | c | 10 |

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

# FORM6/FORM9

## RPD/%Difference Data

PREP BATCH: 27365

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: AQUEOUS SampleID: LCSW MR 27365

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | Result 1 | Result 2 | RPD | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27365 | W110413 | 14 | W110413 | 13 | 52.4430 | 56.6730 | 7.8 | 20 |
| Arsenic | 27365 | W110413 | 14 | W110413 | 13 | 53.5510 | 57.9200 | 7.8 | 20 |
| Beryllium | 27365 | W110413 | 14 | W110413 | 13 | 54.1810 | 58.9910 | 8.5 | 20 |
| Cadmium | 27365 | W110413 | 14 | W110413 | 13 | 52.5920 | 55.8160 | 5.9 | 20 |
| Lead | 27365 | W110413 | 14 | W110413 | 13 | 52.6440 | 55.8100 | 5.8 | 20 |
| Thallium | 27365 | W110413 | 14 | W110413 | 13 | 49.3850 | 52.3070 | 5.7 | 20 |

TxtQcType: MR Matrix: AQUEOUS SampleID: AC75362-002

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | Result 1 | Result 2 | RPD | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27365 | W110413 | 16 | W110413 | 15 | 2.0U | 2.0U | --- | 20 |
| Arsenic | 27365 | W110413 | 16 | W110413 | 15 | 0.8U | 0.8U | --- | 20 |
| Beryllium | 27365 | W110413 | 16 | W110413 | 15 | 0.6U | 0.6U | --- | 20 |
| Cadmium | 27365 | W110413 | 16 | W110413 | 15 | 0.8U | 0.8U | --- | 20 |
| Lead | 27365 | W110413 | 16 | W110413 | 15 | 0.6U | 0.6U | --- | 20 |
| Thallium | 27365 | W110413 | 16 | W110413 | 15 | 1.2U | 1.2U | --- | 20 |

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC75362-002

| Analyte | BatchId | Data Fil | Seq#: | MS File | Seq# | Result 1 | Result 2 | RPD | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27365 | W110413 | 18 | W110413 | 17 | 53.6630 | 54.5670 | 1.7 | 20 |
| Arsenic | 27365 | W110413 | 18 | W110413 | 17 | 54.0810 | 54.3590 | .51 | 20 |
| Beryllium | 27365 | W110413 | 18 | W110413 | 17 | 57.8060 | 56.3280 | 2.6 | 20 |
| Cadmium | 27365 | W110413 | 18 | W110413 | 17 | 52.3120 | 52.9090 | 1.1 | 20 |
| Lead | 27365 | W110413 | 18 | W110413 | 17 | 51.3900 | 52.4150 | 2 | 20 |
| Thallium | 27365 | W110413 | 18 | W110413 | 17 | 48.7880 | 49.7000 | 1.9 | 20 |

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

# FORM6/FORM9

## RPD/%Difference Data

PREP BATCH: 27357

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 27357

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | Result 1 | Result 2 | RPD | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27357 | S15644D3 | 13 | S15644D3 | 12 | 78.6119 | 77.6904 | 1.2 | | 20 |
| Arsenic | 27357 | S15644C3 | 14 | S15644C3 | 13 | 0.8946 | 0.9306 | 3.9 | | 20 |
| Barium | 27357 | S15644C3 | 14 | S15644C3 | 13 | 2.8555 | 2.9725 | 4 | | 20 |
| Calcium | 27357 | S15644D3 | 13 | S15644D3 | 12 | 68.5188 | 67.0486 | 2.2 | | 20 |
| Chromium | 27357 | S15644C3 | 14 | S15644C3 | 13 | 1.2867 | 1.3036 | 1.3 | | 20 |
| Cobalt | 27357 | S15644C3 | 14 | S15644C3 | 13 | 1.2456 | 1.2639 | 1.5 | | 20 |
| Copper | 27357 | S15644C3 | 14 | S15644C3 | 13 | 0.9938 | 0.9935 | .023 | | 20 |
| Iron | 27357 | S15644D3 | 13 | S15644D3 | 12 | 128.1410 | 128.4620 | .25 | | 20 |
| Lead | 27357 | S15644C3 | 14 | S15644C3 | 13 | 1.0603 | 1.0881 | 2.6 | | 20 |
| Magnesium | 27357 | S15644D3 | 13 | S15644D3 | 12 | 29.9319 | 29.9254 | .022 | | 20 |
| Manganese | 27357 | S15644D3 | 13 | S15644D3 | 12 | 3.1941 | 3.1856 | .27 | | 20 |
| Mercury | 27357 | H15644S | 15 | H15644S | 14 | 11.9114 | 12.6926 | 6.4 | | 20 |
| Nickel | 27357 | S15644C3 | 14 | S15644C3 | 13 | 1.4920 | 1.4901 | .13 | | 20 |
| Potassium | 27357 | S15644D3 | 13 | S15644D3 | 12 | 27.5851 | 27.8807 | 1.1 | | 20 |
| Sodium | 27357 | S15644D3 | 13 | S15644D3 | 12 | 27.1571 | 27.0373 | .44 | | 20 |
| Thallium | 27357 | S15644C3 | 14 | S15644C3 | 13 | 1.6367 | 1.6981 | 3.7 | | 20 |
| Vanadium | 27357 | S15644C3 | 14 | S15644C3 | 13 | 0.8966 | 0.9052 | .96 | | 20 |
| Zinc | 27357 | S15644C3 | 14 | S15644C3 | 13 | 1.4806 | 1.5013 | 1.4 | | 20 |

TxtQcType: MR Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | Result 1 | Result 2 | RPD | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27357 | S15644D3 | 15 | S15644D3 | 14 | 61.8505 | 63.5472 | 2.7 | | 20 |
| Arsenic | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.04U | 0.04U | --- | | 20 |
| Barium | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.3429 | 0.3785 | 9.9 | | 20 |
| Calcium | 27357 | S15644D3 | 15 | S15644D3 | 14 | 23.5714 | 26.4295 | 11 | | 20 |
| Chromium | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.1007 | 0.1071 | 6.1 | | 20 |
| Cobalt | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.0536 | 0.0546 | 1.8 | | 20 |
| Copper | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.1573 | 0.1532 | 2.6 | | 20 |
| Iron | 27357 | S15644D3 | 15 | S15644D3 | 14 | 127.2540 | 129.1140 | 1.5 | | 20 |
| Lead | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.5377 | 0.3383 | 46 | a | 20 |
| Magnesium | 27357 | S15644D3 | 15 | S15644D3 | 14 | 25.2319 | 26.2494 | 4 | | 20 |
| Manganese | 27357 | S15644D3 | 15 | S15644D3 | 14 | 2.4267 | 2.1108 | 14 | | 20 |
| Mercury | 27357 | H15644S | 17 | H15644S | 16 | 1.1961 | 0.9570 | 22 | b | 20 |
| Nickel | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.1291 | 0.1373 | 6.1 | | 20 |
| Potassium | 27357 | S15644D3 | 15 | S15644D3 | 14 | 8.3981 | 9.0879 | 7.9 | | 20 |
| Sodium | 27357 | S15644D3 | 15 | S15644D3 | 14 | 2.5U | 2.5U | --- | | 20 |
| Thallium | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.015U | 0.015U | --- | | 20 |
| Vanadium | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.1366 | 0.1411 | 3.3 | | 20 |
| Zinc | 27357 | S15644C3 | 16 | S15644C3 | 15 | 0.3107 | 0.3538 | 13 | | 20 |

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

# FORM6/FORM9

## RPD/%Difference Data

PREP BATCH: 27357

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | Data Fil | Seq#: | MS File | Seq# | Result 1 | Result 2 | RPD | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27357 | S15644D3 | 17 | S15644D3 | 16 | 80.5369 | 77.5140 | 3.8 | 20 |
| Arsenic | 27357 | S15644C3 | 18 | S15644C3 | 17 | 0.4718 | 0.4780 | 1.3 | 20 |
| Barium | 27357 | S15644C3 | 18 | S15644C3 | 17 | 0.8972 | 0.9230 | 2.8 | 20 |
| Calcium | 27357 | S15644D3 | 17 | S15644D3 | 16 | 79.7165 | 83.3205 | 4.4 | 20 |
| Chromium | 27357 | S15644C3 | 18 | S15644C3 | 17 | 0.5711 | 0.5903 | 3.3 | 20 |
| Cobalt | 27357 | S15644C3 | 18 | S15644C3 | 17 | 0.5284 | 0.5455 | 3.2 | 20 |
| Copper | 27357 | S15644C3 | 18 | S15644C3 | 17 | 0.6301 | 0.6557 | 4 | 20 |
| Iron | 27357 | S15644D3 | 17 | S15644D3 | 16 | 133.8190 | 135.5440 | 1.3 | 20 |
| Lead | 27357 | S15644C3 | 18 | S15644C3 | 17 | 1.0608 | 0.9230 | 14 | 20 |
| Magnesium | 27357 | S15644D3 | 17 | S15644D3 | 16 | 75.5522 | 76.0659 | .68 | 20 |
| Manganese | 27357 | S15644D3 | 17 | S15644D3 | 16 | 3.0805 | 2.7360 | 12 | 20 |
| Mercury | 27357 | H15644S | 19 | H15644S | 18 | 11.4785 | 10.8118 | 6 | 20 |
| Nickel | 27357 | S15644C3 | 18 | S15644C3 | 17 | 0.5994 | 0.6133 | 2.3 | 20 |
| Potassium | 27357 | S15644D3 | 17 | S15644D3 | 16 | 59.1921 | 58.7352 | .77 | 20 |
| Sodium | 27357 | S15644D3 | 17 | S15644D3 | 16 | 50.7805 | 50.6497 | .26 | 20 |
| Thallium | 27357 | S15644C3 | 18 | S15644C3 | 17 | 0.4757 | 0.4804 | .98 | 20 |
| Vanadium | 27357 | S15644C3 | 18 | S15644C3 | 17 | 0.6060 | 0.6178 | 1.9 | 20 |
| Zinc | 27357 | S15644C3 | 18 | S15644C3 | 17 | 0.8222 | 0.8633 | 4.9 | 20 |

TxtQcType: SD Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | DF | Result 1 | Result 2 | %Diff | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 27357 | S15644D3 | 22 | S15644D3 | 14 | 5 | 12.9872 | 63.5472 | 2.2 | | 10 |
| Arsenic | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | -0.0001 | 0.0158 | --- | | 10 |
| Barium | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | 0.0783 | 0.3785 | 3.4 | | 10 |
| Calcium | 27357 | S15644D3 | 22 | S15644D3 | 14 | 5 | 5.1507 | 26.4295 | 2.6 | | 10 |
| Chromium | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | 0.0224 | 0.1071 | 4.6 | | 10 |
| Cobalt | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | 0.0119 | 0.0546 | 8.9 | | 10 |
| Copper | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | 0.0306 | 0.1532 | 0.11 | | 10 |
| Iron | 27357 | S15644D3 | 22 | S15644D3 | 14 | 5 | 26.6156 | 129.1140 | 3.1 | | 10 |
| Lead | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | 0.0676 | 0.3383 | 0.069 | | 10 |
| Magnesium | 27357 | S15644D3 | 22 | S15644D3 | 14 | 5 | 4.9934 | 26.2494 | 4.9 | | 10 |
| Manganese | 27357 | S15644D3 | 22 | S15644D3 | 14 | 5 | 0.4328 | 2.1108 | 2.5 | | 10 |
| Nickel | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | 0.0271 | 0.1373 | 1.4 | | 10 |
| Potassium | 27357 | S15644D3 | 22 | S15644D3 | 14 | 5 | 1.5677 | 9.0879 | 14 | a | 10 |
| Sodium | 27357 | S15644D3 | 22 | S15644D3 | 14 | 5 | -0.3725 | 1.0261 | --- | | 10 |
| Thallium | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | 0.0018 | 0.0062 | --- | | 10 |
| Vanadium | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | 0.0296 | 0.1411 | 5 | | 10 |
| Zinc | 27357 | S15644C3 | 23 | S15644C3 | 15 | 5 | 0.0699 | 0.3538 | 1.2 | | 10 |

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

# FORM6/FORM9

## RPD/%Difference Data

PREP BATCH: 27358

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 27358

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | Result 1 | Result 2 | RPD | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27358 | S103113B | 18 | S103113B | 17 | 27.6700 | 22.2800 | 22 | a | 20 |
| Beryllium | 27358 | S103113B | 18 | S103113B | 17 | 81.7900 | 76.8500 | 6.2 | | 20 |
| Cadmium | 27358 | S103113B | 18 | S103113B | 17 | 212.9000 | 199.7000 | 6.4 | | 20 |
| Selenium | 27358 | S103113B | 18 | S103113B | 17 | 171.3000 | 170.0000 | .76 | | 20 |
| Silver | 27358 | S103113B | 18 | S103113B | 17 | 45.6500 | 41.7700 | 8.9 | | 20 |

TxtQcType: MR Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | Result 1 | Result 2 | RPD | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27358 | S103113B | 20 | S103113B | 19 | 1U | 1U | --- | | 20 |
| Beryllium | 27358 | S103113B | 20 | S103113B | 19 | 1.2100 | 1.0790 | 11 | | 20 |
| Cadmium | 27358 | S103113B | 20 | S103113B | 19 | 2U | 2U | --- | | 20 |
| Selenium | 27358 | S103113B | 20 | S103113B | 19 | 10U | 10U | --- | | 20 |
| Silver | 27358 | S103113B | 20 | S103113B | 19 | 1U | 1U | --- | | 20 |

TxtQcType: MSD Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | Data Fil | Seq#: | MS File | Seq# | Result 1 | Result 2 | RPD | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27358 | S103113B | 23 | S103113B | 22 | 68.0600 | 60.9500 | 11 | | 20 |
| Beryllium | 27358 | S103113B | 23 | S103113B | 22 | 190.8000 | 195.7000 | 2.5 | | 20 |
| Cadmium | 27358 | S103113B | 23 | S103113B | 22 | 231.8000 | 224.8000 | 3.1 | | 20 |
| Selenium | 27358 | S103113B | 23 | S103113B | 22 | 230.7000 | 218.4000 | 5.5 | | 20 |
| Silver | 27358 | S103113B | 23 | S103113B | 22 | 44.2100 | 43.1700 | 2.4 | | 20 |

TxtQcType: SD Matrix: SOIL SampleID: AC75388-001

| Analyte | BatchId | Data Fil | Seq#: | NS File | Seq# | DF | Result 1 | Result 2 | %Diff | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 27358 | S103113B | 21 | S103113B | 19 | 5 | 0.0242 | 0.0793 | 53 | a | 10 |
| Beryllium | 27358 | S103113B | 21 | S103113B | 19 | 5 | 0.2425 | 1.0790 | 12 | a | 10 |
| Cadmium | 27358 | S103113B | 21 | S103113B | 19 | 5 | 0.0570 | 0.2695 | 5.8 | | 10 |
| Selenium | 27358 | S103113B | 21 | S103113B | 19 | 5 | 1.1370 | 4.0690 | 40 | a | 10 |
| Silver | 27358 | S103113B | 21 | S103113B | 19 | 5 | 0.0184 | 0.1646 | 44 | a | 10 |

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

# VERITECH Wet Chem Form1 Analysis Summary

Lab#: AC75362-002 | Project Number: 3102513
Matrix: Aqueous | Received Date: 10/25/2013
Client SampleID: SW-15-10242013 | Collect Date: 10/24/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | **1** | **6.5** | **mg/L** | **2.0** | 10/30/13 | 10/30/13 |
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/29/13 | 10/29/13 |

Lab#: AC75362-003 | Project Number: 3102513
Matrix: Aqueous | Received Date: 10/25/2013
Client SampleID: SW-4-10242013 | Collect Date: 10/24/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | **1** | **6.5** | **mg/L** | **2.0** | 10/30/13 | 10/30/13 |
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/29/13 | 10/29/13 |

Lab#: AC75362-004 | Project Number: 3102513
Matrix: Sediment/Encore | Received Date: 10/25/2013
Client SampleID: SD-4-10242013 | Collect Date: 10/24/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICS | 1 | ND | mg/Kg | 33 | 10/28/13 | 10/28/13 |
| Cyanide | CN-S-9012 | 1 | ND | mg/Kg | 0.39 | 11/01/13 | 11/03/13 |

Lab#: AC75362-005 | Project Number: 3102513
Matrix: Aqueous | Received Date: 10/25/2013
Client SampleID: SW-2-10242013 | Collect Date: 10/24/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | **1** | **6.6** | **mg/L** | **2.0** | 10/30/13 | 10/30/13 |
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/29/13 | 10/29/13 |

Lab#: AC75362-006 | Project Number: 3102513
Matrix: Sediment/Encore | Received Date: 10/25/2013
Client SampleID: SD-2-10242013 | Collect Date: 10/24/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICS | 1 | ND | mg/Kg | 27 | 10/28/13 | 10/28/13 |
| Cyanide | CN-S-9012 | 1 | ND | mg/Kg | 0.32 | 11/01/13 | 11/03/13 |

Lab#: AC75362-007 | Project Number: 3102513
Matrix: Sediment/Encore | Received Date: 10/25/2013
Client SampleID: SD-3-10242013 | Collect Date: 10/24/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICS | **1** | **29** | **mg/Kg** | **25** | 10/28/13 | 10/28/13 |
| Cyanide | CN-S-9012 | 1 | ND | mg/Kg | 0.30 | 11/01/13 | 11/03/13 |

Lab#: AC75362-008 | Project Number: 3102513
Matrix: Aqueous | Received Date: 10/25/2013
Client SampleID: SW-1-10242013 | Collect Date: 10/24/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | **1** | **6.3** | **mg/L** | **2.0** | 10/30/13 | 10/30/13 |
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/29/13 | 10/29/13 |

Lab#: AC75362-009 | Project Number: 3102513
Matrix: Sediment/Encore | Received Date: 10/25/2013
Client SampleID: SD-1-10242013 | Collect Date: 10/24/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICS | 1 | ND | mg/Kg | 27 | 10/28/13 | 10/28/13 |
| Cyanide | CN-S-9012 | 1 | ND | mg/Kg | 0.32 | 11/01/13 | 11/03/13 |

# VERITECH Wet Chem Form1 Analysis Summary

Lab#: AC75362-010
Matrix Aqueous
Client SampleID: FB-10242013

Project Number: 3102513
Received Date: 10/25/2013
Collect Date: 10/24/2013

| Analysis | TestGroup | Dilution: | Result | Units: | RL | Prep Date: | Analysis Date: |
|---|---|---|---|---|---|---|---|
| Chloride | CHLORIDE-ICW | 1 | ND | mg/L | 2.0 | 10/30/13 | 10/30/13 |
| Cyanide | CN-WATER-MUR | 1 | ND | mg/L | 0.020 | 10/29/13 | 10/29/13 |

# % Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-2415

| QcType | SampleID: | Rounded Result | Raw Result | Units | Tare Weight | Wet Weight | Dry Weight | Analysis Date | Analyzed By | QC RPD | Rpd Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DUP | AC75356-008 | 82 | 82.10332 | Percent | 1.09 | 11.93 | 9.98 | 10/28/13 | hossain | 0.044 | 5 |
| Sample | AC75356-008 | 82 | 82.13953 | Percent | 1.10 | 11.85 | 9.93 | 10/28/13 | hossain | | |
| Sample | AC75356-009 | 84 | 83.93966 | Percent | 1.10 | 12.37 | 10.57 | 10/28/13 | hossain | | |
| Sample | AC75360-001 | 81 | 81.48464 | Percent | 1.09 | 12.81 | 10.64 | 10/28/13 | hossain | | |
| Sample | AC75362-004 | 61 | 60.75217 | Percent | 1.09 | 11.46 | 7.40 | 10/28/13 | hossain | | |
| Sample | AC75362-006 | 74 | 73.52941 | Percent | 1.09 | 11.63 | 8.84 | 10/28/13 | hossain | | |
| Sample | AC75362-007 | 80 | 79.77233 | Percent | 1.09 | 12.51 | 10.21 | 10/28/13 | hossain | | |
| Sample | AC75362-009 | 74 | 74.02005 | Percent | 1.09 | 12.06 | 9.21 | 10/28/13 | hossain | | |
| Sample | AC75367-001 | 94 | 94.05458 | Percent | 1.09 | 11.35 | 10.74 | 10/28/13 | hossain | | |
| Sample | AC75367-002 | 90 | 90.00943 | Percent | 1.09 | 11.70 | 10.64 | 10/28/13 | hossain | | |
| Sample | AC75367-003 | 90 | 90.19757 | Percent | 1.09 | 14.25 | 12.95 | 10/28/13 | hossain | | |
| Sample | AC75367-004 | 93 | 93.49376 | Percent | 1.09 | 12.31 | 11.59 | 10/28/13 | hossain | | |
| Sample | AC75367-008 | 91 | 90.92628 | Percent | 1.08 | 11.66 | 10.70 | 10/28/13 | hossain | | |
| Sample | AC75367-010 | 84 | 83.62919 | Percent | 1.08 | 11.22 | 9.57 | 10/28/13 | hossain | | |
| Sample | AC75367-011 | 89 | 88.82733 | Percent | 1.10 | 11.93 | 10.72 | 10/28/13 | hossain | | |
| Sample | AC75367-012 | 88 | 88.49903 | Percent | 1.09 | 11.35 | 10.17 | 10/28/13 | hossain | | |
| Sample | AC75367-013 | 89 | 89.05560 | Percent | 1.09 | 12.42 | 11.18 | 10/28/13 | hossain | | |
| Sample | AC75367-017 | 89 | 88.79552 | Percent | 1.09 | 11.80 | 10.62 | 10/28/13 | hossain | | |
| Sample | AC75380-001 | 88 | 88.09524 | Percent | 1.08 | 12.84 | 11.44 | 10/28/13 | hossain | | |
| Sample | AC75380-003 | 96 | 96.04117 | Percent | 1.09 | 13.72 | 13.22 | 10/28/13 | hossain | | |
| Sample | AC75380-004 | 84 | 84.28094 | Percent | 1.10 | 13.06 | 11.18 | 10/28/13 | hossain | | |

* - Indicates Failed Rpd Criteria

# MS/MSD/DUP Recovery

3102513 0155

Prep Batch: W-5067 Sample ID: AC75362-002
Method: 300.0 rev2.1 Matrix Aqueous

| Qc Type: MS | | Limits | | | MS | Sam | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | | Dil | Conc | Conc | Recov | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Chloride | 5 | 80-120 | | 1 | 10.1968 | 6.5204 | 74 | Mw | 20131029104 | 18 | 10/30/13 16:47 | 20131029104 | 17 | 10/30/13 15:56 |

| Qc Type: MSD | | Limits | | | MS | Sam | | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Rpd | Dil | Conc | Conc | Recov | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Chloride | 5 | 80-120 | 20 | 1 | 10.2735 | 6.5204 | 75 | 0.7 | MW | 20131029104 | 19 | 10/30/13 17:12 | 20131029104 | 17 | 10/30/13 15:56 |

# LCS Recoveries

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **BatchRunID/RunID:===>** | | | 201310291041-13 | | | | | | |
| **QcBatchID:===>** | | | LCSW-5067 | | | | | | |
| **Date/Time:===>** | | | 10/30/13 14:11 | | | | | | |
| **Analytical Method:===>** | | | 300.0 rev2.1 | | | | | | |
| **Matrix:===>** | | | Aqueous | Soil | | Soil | | Soil | |
| Analyte | 300.0 rev2. Amt | Limits | Amt Limits | % Rec Flags | | % Rec Flags | | % Rec Flags | |
| Chloride | 5 | 90-110 | | 101 | | | | | |

# Calibration Curve

Instrument: IC2
Analysis Date: 10/29/13
Analytical Methods: 300.0 rev2.1;EPA 9056;EPA 9056A

| | | Area Found | | | | | | Concentration Amount | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: | Analyte: | Area1 | Area2 | Area3 | Area4 | Area5 | Area6 | Conc1 | Conc2 | Conc3 | Conc4 | Conc5 | Conc6 | rSq |
| 201310291041 | Chloride | 0 | 0.161 | 0.814 | 1.693 | 3.618 | 10.16 | 0 | 1 | 5 | 10 | 20 | 50 | 99.9 |

# Calibration Summary:

3102513 0158

Instrument: IC2
Analysis Meth: 300.0 rev2.1

| Analyte | Batch ID | Run# | Qc Type | Recov | Spk Amt | Limit |
|---|---|---|---|---|---|---|
| Chloride | 20131029104 | 7 | ICV | 94 | 10 | 90-110 |
| Chloride | 20131029104 | 10 | CCV | 90 | 10 | 90-110 |
| Chloride | 20131029104 | 22 | CCV | 92 | 10 | 90-110 |

# Blank Summary

Instrument: IC2

Qc Type: Method Blank Summary Prep Date: 10/30/13

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131029104 | 10/30/13 13:46 | MBW-5067 | 12 | Chloride | ND | 2.0 |

Qc Type: ICB Summary Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131029104 | 10/29/13 13:39 | ICB | 8 | Chloride | ND | 2.0 |

Qc Type: CCB Summary Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131029104 | 10/30/13 13:20 | CCB | 11 | Chloride | ND | 2.0 |
| 20131029104 | 10/30/13 18:54 | CCB | 23 | Chloride | ND | 2.0 |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/29/2013 11:32:00 AM |

Sample ID: CCV RunID: 10 Analysis Date: 10/30/2013 12:55:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.7 | 9.7 | 11.72 | |
| Chloride | 6.55 | 6.16 | 6.94 | |
| Fluoride | 3.86 | 3.72 | 4 | |
| Nitrate | 12.5 | 11.33 | 13.71 | |
| Nitrite | 8.19 | 7.62 | 8.78 | |
| Phosphorus (Ortho) | 17.11 | 16.14 | 18.36 | |
| Sulfate | 18.51 | 17.67 | 19.67 | |

Sample ID: CCV RunID: 22 Analysis Date: 10/30/2013 6:28:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.61 | 9.7 | 11.72 | |
| Chloride | 6.5 | 6.16 | 6.94 | |
| Fluoride | 3.84 | 3.72 | 4 | |
| Nitrate | 12.39 | 11.33 | 13.71 | |
| Nitrite | 8.13 | 7.62 | 8.78 | |
| Phosphorus (Ortho) | 16.99 | 16.14 | 18.36 | |
| Sulfate | 18.43 | 17.67 | 19.67 | |

Sample ID: CCV RunID: 29 Analysis Date: 10/30/2013 9:26:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.67 | 9.7 | 11.72 | |
| Chloride | 6.53 | 6.16 | 6.94 | |
| Fluoride | 3.85 | 3.72 | 4 | |
| Nitrate | 12.47 | 11.33 | 13.71 | |
| Nitrite | 8.17 | 7.62 | 8.78 | |
| Phosphorus (Ortho) | 17.07 | 16.14 | 18.36 | |
| Sulfate | 18.45 | 17.67 | 19.67 | |

Sample ID: CCV RunID: 32 Analysis Date: 10/31/2013 2:30:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 10.65 | 9.7 | 11.72 | |
| Chloride | 6.52 | 6.16 | 6.94 | |
| Fluoride | 3.84 | 3.72 | 4 | |
| Nitrate | 12.45 | 11.33 | 13.71 | |
| Nitrite | 8.16 | 7.62 | 8.78 | |
| Phosphorus (Ortho) | 17.05 | 16.14 | 18.36 | |
| Sulfate | 18.45 | 17.67 | 19.67 | |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/29/2013 11:32:00 AM |

Sample ID: CCV RunID: 44 Analysis Date: 10/31/2013 7:35:00 PM

| Analyte | RT | LowLimit | Hi Limit | Flag |
|---|---|---|---|---|
| Bromide | 10.71 | 9.7 | 11.72 | |
| Chloride | 6.56 | 6.16 | 6.94 | |
| Fluoride | 3.87 | 3.72 | 4 | |
| Nitrate | 12.51 | 11.33 | 13.71 | |
| Nitrite | 8.21 | 7.62 | 8.78 | |
| Phosphorus (Ortho) | 17.12 | 16.14 | 18.36 | |
| Sulfate | 18.56 | 17.67 | 19.67 | |

Sample ID: CCV RunID: 50 Analysis Date: 10/31/2013 10:07:00 PM

| Analyte | RT | LowLimit | Hi Limit | Flag |
|---|---|---|---|---|
| Bromide | 10.59 | 9.7 | 11.72 | |
| Chloride | 6.49 | 6.16 | 6.94 | |
| Fluoride | 3.83 | 3.72 | 4 | |
| Nitrate | 12.37 | 11.33 | 13.71 | |
| Nitrite | 8.12 | 7.62 | 8.78 | |
| Phosphorus (Ortho) | 16.98 | 16.14 | 18.36 | |
| Sulfate | 18.42 | 17.67 | 19.67 | |

# MS/MSD/DUP Recovery

3102513 0162

Prep Batch: S-1118 Sample ID: AC75124-001
Method: EPA 9056A Matrix Soil

| Qc Type: MS | | Limits | | MS | Sam | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Dil | Conc | Conc | Recov | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Chloride | 5 | 80-120 | 1 | 8.0068 | 4.5973 | 68 | Ms | 20131014115 | 107 | 10/28/13 12:24 | 20131014115 | 106 | 10/28/13 12:02 |

| Qc Type: MSD | | Limits | | | MS | Sam | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Rpd | Dil | Conc | Conc | Recov | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Chloride | 5 | 80-120 | 20 | 1 | 7.7938 | 4.5973 | 64 | 2.7 Ms | 20131014115 | 108 | 10/28/13 12:45 | 20131014115 | 106 | 10/28/13 12:02 |

# LCS Recoveries

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BatchRunID/RunID:==>** | | | 201310141150-105 | | | | | | | | |
| **QcBatchID:==>** | | | LCSS-1118 | | | | | | | | |
| **Date/Time:==>** | | | 10/28/13 11:40 | | | | | | | | |
| **Analytical Method:==>** | | | EPA 9056A | | | | | | | | |
| **Matrix:==>** | | | Soil | | Soil | | Soil | | Soil | | Soil |
| | EPA 9056A | | | | | | | | | | |
| Analyte | Amt | Limits | Amt | Limits | % Rec | Flags | % Rec | Flags | % Rec | Flags | % Rec | Flags | % Rec | Flags |
| Chloride | 5 | 80-120 | | | 102 | | | | | | | | | |

# Calibration Curve

Instrument: IC1
Analysis Date: 10/14/13
Analytical Methods: 300.0 rev2.1;EPA 9056;EPA 9056A

| | | Area Found | | | | | | Concentration Amount | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: | Analyte: | Area1 | Area2 | Area3 | Area4 | Area5 | Area6 | Conc1 | Conc2 | Conc3 | Conc4 | Conc5 | Conc6 | rSq |
| 201310141150 | Chloride | 0 | 0.278 | 0.984 | 2.027 | 4.392 | 12.248 | 0 | 1 | 5 | 10 | 20 | 50 | 99.762 |

# Calibration Summary:

3102513 0165

Instrument: IC1
Analysis Meth: EPA 9056A

| Analyte | Batch ID | Run# | Qc Type | Recov | Spk Amt | Limit |
|---|---|---|---|---|---|---|
| Chloride | 20131014115 | 7 | ICV | 94 | 10 | 90-110 |
| Chloride | 20131014115 | 102 | CCV | 97 | 10 | 90-110 |
| Chloride | 20131014115 | 114 | CCV | 96 | 10 | 90-110 |

# Blank Summary

Instrument: IC1

Qc Type: Method Blank Summary  Prep Date: 10/28/13

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131014115 | 10/28/13 11:21 | MBS-1118 | 104 | Chloride | ND | 20 |

Qc Type: ICB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131014115 | 10/14/13 15:47 | ICB | 8 | Chloride | ND | 2.0 |

Qc Type: CCB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131014115 | 10/28/13 10:59 | CCB | 103 | Chloride | ND | 2.0 |
| 20131014115 | 10/28/13 15:18 | CCB | 115 | Chloride | ND | 2.0 |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/14/2013 12:33:00 PM |

Sample ID: CCV RunID: 14 Analysis Date: 10/14/2013 5:56:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.064 | 7.059999 | 9.08 | |
| Chloride | 5.477 | 5.087 | 5.867 | |
| Fluoride | 3.661 | 3.517 | 3.797 | |
| Nitrate | 9.191 | 8.014001 | 10.394 | |
| Nitrite | 6.547 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.107 | 11.04 | 13.26 | |
| Sulfate | 13.631 | 12.65 | 14.65 | |

Sample ID: CCV RunID: 17 Analysis Date: 10/16/2013 10:40:00 AM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.044 | 7.059999 | 9.08 | |
| Chloride | 5.47 | 5.087 | 5.867 | |
| Fluoride | 3.66 | 3.517 | 3.797 | |
| Nitrate | 9.167 | 8.014001 | 10.394 | |
| Nitrite | 6.537 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.014 | 11.04 | 13.26 | |
| Sulfate | 13.534 | 12.65 | 14.65 | |

Sample ID: CCV RunID: 29 Analysis Date: 10/16/2013 2:58:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.05 | 7.059999 | 9.08 | |
| Chloride | 5.474 | 5.087 | 5.867 | |
| Fluoride | 3.66 | 3.517 | 3.797 | |
| Nitrate | 9.174 | 8.014001 | 10.394 | |
| Nitrite | 6.54 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.02 | 11.04 | 13.26 | |
| Sulfate | 13.54 | 12.65 | 14.65 | |

Sample ID: CCV RunID: 41 Analysis Date: 10/16/2013 7:19:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.037 | 7.059999 | 9.08 | |
| Chloride | 5.467 | 5.087 | 5.867 | |
| Fluoride | 3.657 | 3.517 | 3.797 | |
| Nitrate | 9.157 | 8.014001 | 10.394 | |
| Nitrite | 6.53 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 11.983 | 11.04 | 13.26 | |
| Sulfate | 13.52 | 12.65 | 14.65 | |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/14/2013 12:33:00 PM |

Sample ID: CCV RunID: 44 Analysis Date: 10/17/2013 10:40:00 AM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.054 | 7.059999 | 9.08 | |
| Chloride | 5.477 | 5.087 | 5.867 | |
| Fluoride | 3.667 | 3.517 | 3.797 | |
| Nitrate | 9.177 | 8.014001 | 10.394 | |
| Nitrite | 6.544 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.067 | 11.04 | 13.26 | |
| Sulfate | 13.587 | 12.65 | 14.65 | |

Sample ID: CCV RunID: 56 Analysis Date: 10/17/2013 2:59:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.054 | 7.059999 | 9.08 | |
| Chloride | 5.474 | 5.087 | 5.867 | |
| Fluoride | 3.661 | 3.517 | 3.797 | |
| Nitrate | 9.177 | 8.014001 | 10.394 | |
| Nitrite | 6.541 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.067 | 11.04 | 13.26 | |
| Sulfate | 13.594 | 12.65 | 14.65 | |

Sample ID: CCV RunID: 68 Analysis Date: 10/17/2013 7:19:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.067 | 7.059999 | 9.08 | |
| Chloride | 5.484 | 5.087 | 5.867 | |
| Fluoride | 3.674 | 3.517 | 3.797 | |
| Nitrate | 9.194 | 8.014001 | 10.394 | |
| Nitrite | 6.554 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.064 | 11.04 | 13.26 | |
| Sulfate | 13.594 | 12.65 | 14.65 | |

Sample ID: CCV RunID: 72 Analysis Date: 10/17/2013 8:46:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.067 | 7.059999 | 9.08 | |
| Chloride | 5.484 | 5.087 | 5.867 | |
| Fluoride | 3.674 | 3.517 | 3.797 | |
| Nitrate | 9.191 | 8.014001 | 10.394 | |
| Nitrite | 6.554 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.061 | 11.04 | 13.26 | |
| Sulfate | 13.594 | 12.65 | 14.65 | |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/14/2013 12:33:00 PM |

Sample ID: CCV RunID: 75 Analysis Date: 10/18/2013 11:38:00 AM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.047 | 7.059999 | 9.08 | |
| Chloride | 5.474 | 5.087 | 5.867 | |
| Fluoride | 3.674 | 3.517 | 3.797 | |
| Nitrate | 9.167 | 8.014001 | 10.394 | |
| Nitrite | 6.541 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.054 | 11.04 | 13.26 | |
| Sulfate | 13.571 | 12.65 | 14.65 | |

Sample ID: CCV RunID: 87 Analysis Date: 10/18/2013 3:57:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.037 | 7.059999 | 9.08 | |
| Chloride | 5.463 | 5.087 | 5.867 | |
| Fluoride | 3.66 | 3.517 | 3.797 | |
| Nitrate | 9.157 | 8.014001 | 10.394 | |
| Nitrite | 6.53 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.037 | 11.04 | 13.26 | |
| Sulfate | 13.557 | 12.65 | 14.65 | |

Sample ID: CCV RunID: 99 Analysis Date: 10/18/2013 8:18:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.044 | 7.059999 | 9.08 | |
| Chloride | 5.47 | 5.087 | 5.867 | |
| Fluoride | 3.664 | 3.517 | 3.797 | |
| Nitrate | 9.167 | 8.014001 | 10.394 | |
| Nitrite | 6.537 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.037 | 11.04 | 13.26 | |
| Sulfate | 13.564 | 12.65 | 14.65 | |

Sample ID: CCV RunID: 102 Analysis Date: 10/28/2013 10:37:00 AM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.024 | 7.059999 | 9.08 | |
| Chloride | 5.46 | 5.087 | 5.867 | |
| Fluoride | 3.66 | 3.517 | 3.797 | |
| Nitrate | 9.134 | 8.014001 | 10.394 | |
| Nitrite | 6.524 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.05 | 11.04 | 13.26 | |
| Sulfate | 13.564 | 12.65 | 14.65 | |

| Ref SampleID: | Ref Standard RunID | Ref Standard Date |
|---|---|---|
| 5 PPM | 3 | 10/14/2013 12:33:00 PM |

Sample ID: CCV RunID: 114 Analysis Date: 10/28/2013 2:56:00 PM

| Analyte | RT | LowLimit | Hi LImit | Flag |
|---|---|---|---|---|
| Bromide | 8.027 | 7.059999 | 9.08 | |
| Chloride | 5.464 | 5.087 | 5.867 | |
| Fluoride | 3.664 | 3.517 | 3.797 | |
| Nitrate | 9.137 | 8.014001 | 10.394 | |
| Nitrite | 6.527 | 5.964 | 7.124 | |
| Phosphorus (Ortho) | 12.061 | 11.04 | 13.26 | |
| Sulfate | 13.571 | 12.65 | 14.65 | |

# MS/MSD/DUP Recovery

3102513 0171

Prep Batch: W-837 Sample ID: AC75362-002
Method: EPA 335.4 Matrix: Aqueous

| Qc Type: DUP | Limits | | DUP | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Rpd | Dil | Conc | Conc | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 20 | 1 | 0 | 0 | NA | | 20131029140 | 15 | 10/29/13 14:35 | 20131029140 | 14 | 10/29/13 14:33 |

| Qc Type: MS | | Limits | | MS | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Dil | Conc | Conc | % Rec | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 0.4 | 75-125 | 1 | 0.3971 | 0 | 99 | | 20131029140 | 16 | 10/29/13 14:37 | 20131029140 | 14 | 10/29/13 14:33 |

| Qc Type: MSD | | Limits | | MSD | Sample | | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Rpd | Dil | Conc | Conc | % Rec | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 0.4 | 75-125 | 20 | 1 | 0.3742 | 0 | 94 | 5.9 | | 20131029140 | 17 | 10/29/13 14:39 | 20131029140 | 14 | 10/29/13 14:33 |

# LCS Recoveries

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **BatchRunID/RunID:⟹** | | 201310291405-12 | | | | | | | |
| | **QcBatchID:⟹** | | LCSW-837 | | | | | | | |
| | **Date/Time:⟹** | | 10/29/13 14:29 | | | | | | | |
| | **Analytical Method:⟹** | | EPA 335.4 | | | | | | | |
| | **Matrix:⟹** | | Aqueous | | Soil | | Soil | | Soil | |
| | EPA 335.4 | | | | | | | | | |
| Analyte | **Amt** | **Limits** | **% Rec** | **Flags** | **% Rec** | **Flags** | **% Rec** | **Flags** | **% Rec** | **Flags** |
| Cyanide | 0.4 | 90-110 | 90 | | | | | | | |

# Calibration Summary:

3102513 0173

Instrument: DA1
Analysis Meth: EPA 335.4

| Analyte | Batch ID | Run# | Qc Type | Recov | Spk Amt | Limit |
|---|---|---|---|---|---|---|
| Cyanide | 20131029140 | 9 | ICV | 102 | 0.4 | 90-110 |
| Cyanide | 20131029140 | 21 | CCV | 103 | 0.4 | 90-110 |
| Cyanide | 20131029140 | 33 | CCV | 102 | 0.4 | 90-110 |
| Cyanide | 20131029140 | 41 | CCV | 101 | 0.4 | 90-110 |
| Cyanide | 20131029140 | 43 | CCV | 102 | 0.4 | 90-110 |
| Cyanide | 20131029140 | 47 | CCV | 105 | 0.4 | 90-110 |

# Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary  Prep Date: 10/29/13

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131029140 | 10/29/13 14:26 | MBW-837 | 11 | Cyanide | ND | 0.020 |

Qc Type: ICB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131029140 | 10/29/13 14:24 | CCB | 10 | Cyanide | ND | 0.020 |

Qc Type: CCB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131029140 | 10/29/13 14:49 | CCB | 22 | Cyanide | ND | 0.020 |
| 20131029140 | 10/29/13 15:15 | CCB | 34 | Cyanide | ND | 0.020 |
| 20131029140 | 10/29/13 15:29 | CCB | 42 | Cyanide | ND | 0.020 |
| 20131029140 | 10/29/13 15:45 | CCB | 44 | Cyanide | ND | 0.020 |
| 20131029140 | 10/29/13 15:51 | CCB | 48 | Cyanide | ND | 0.020 |

# MS/MSD/DUP Recovery

3102513 0175

Prep Batch: S-1250 Sample ID: AC75462-001
Method: EPA 9012B Matrix: Soil

| Qc Type: DUP | Limits | | DUP | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Rpd | Dil | Conc | Conc | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 20 | 1 | 0 | 0 | NA | | 20131103185 | 15 | 11/03/13 19:28 | 20131103185 | 14 | 11/03/13 19:26 |

| Qc Type: MS | | Limits | | MS | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Dil | Conc | Conc | % Rec | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 0.4 | 75-125 | 1 | 0.3962 | 0 | 99 | | 20131103185 | 16 | 11/03/13 19:30 | 20131103185 | 14 | 11/03/13 19:26 |

| Qc Type: MSD | | Limits | | MSD | Sample | | | MS/MSD/DUP | | | Non Spike | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | Amt | Recov | Rpd | Dil | Conc | Conc | % Rec | Rpd | Flag | Batch | RunID | Analysis Date | Batch | RunID | Analysis Date |
| Cyanide | 0.4 | 75-125 | 20 | 1 | 0.397 | 0 | 99 | 0.2 | | 20131103185 | 17 | 11/03/13 19:32 | 20131103185 | 14 | 11/03/13 19:26 |

# LCS Recoveries

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **BatchRunID/RunID:⟹** | | 201311031858-12 | | | | | | | |
| | **QcBatchID:⟹** | | LCSS-1250 | | | | | | | |
| | **Date/Time:⟹** | | 11/03/13 19:22 | | | | | | | |
| | **Analytical Method:⟹** | | EPA 9012B | | | | | | | |
| | **Matrix:⟹** | | Soil | | Soil | | Soil | | Soil | |
| Analyte | EPA 9012B **Amt** | **Limits** | **Amt** | **Limits** | % Rec | Flags | % Rec | Flags | % Rec | Flags | % Rec | Flags | % Rec | Flags |
| Cyanide | 0.4 | 90-110 | | | 106 | | | | | | | | | |

# Calibration Summary:

3102513 0177

Instrument: DA1
Analysis Meth: EPA 9012B

| Analyte | Batch ID | Run# | Qc Type | Recov | Spk Amt | Limit |
|---|---|---|---|---|---|---|
| Cyanide | 20131103185 | 9 | ICV | 106 | 0.4 | 90-110 |
| Cyanide | 20131103185 | 21 | CCV | 108 | 0.4 | 90-110 |
| Cyanide | 20131103185 | 33 | CCV | 105 | 0.4 | 90-110 |
| Cyanide | 20131103185 | 41 | CCV | 108 | 0.4 | 90-110 |

# Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary  Prep Date: 11/1/13

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131103185 | 11/3/13 19:19 | MBS-1250 | 11 | Cyanide | ND | 0.24 |

Qc Type: ICB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131103185 | 11/3/13 19:17 | CCB | 10 | Cyanide | ND | 0.020 |

Qc Type: CCB Summary  Prep Date: NA

| Run Batch ID | Analysis Date/Time | Sample ID | Run# | Analyte | Conc | RL |
|---|---|---|---|---|---|---|
| 20131103185 | 11/3/13 19:42 | CCB | 22 | Cyanide | ND | 0.020 |
| 20131103185 | 11/3/13 20:07 | CCB | 34 | Cyanide | ND | 0.020 |
| 20131103185 | 11/3/13 20:22 | CCB | 42 | Cyanide | ND | 0.020 |

HC·V
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Last Page of Report

ATTACHMENT C

TREND ANALYSIS

(Electronic Only)