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OPERATION, MAINTENANCE AND MONITORING PROGRESS REPORT (JULY - DECEMBER 2012)

MICHIGAN DISPOSAL SERVICE (CORK STREET LANDFILL) SUPERFUND SITE KALAMAZOO, MICHIGAN

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MICHIGAN DISPOSAL SERVICE (CORK STREET LANDFILL) SUPERFUND SITE KALAMAZOO, MICHIGAN

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1.0 INTRODUCTION

This report was prepared by Conestoga-Rovers & Associates (CRA) on behalf of the Cork Street Landfill PRP Group (Group) to present the results of operation, maintenance and monitoring (OM&M) activities at the Cork Street Landfill Superfund Site (Site), located in Kalamazoo County, Michigan, for the period of July to December 2012. This report presents the OM&M activities conducted pursuant to the Operation and Maintenance Plan for the Closure Cover, Surface Water Management System, Leachate Collection System, Landfill Gas Monitoring, and Mitigation Wetlands (OMP) and the Groundwater/Surface Water Interface Monitoring Plan (GSI Monitoring Plan). This report presents the results of the following events:

- September 2012 Groundwater/Surface Water Interface (GSI) Monitoring Event (Quarterly Event)
- December 2012 Groundwater/Surface Water Interface (GSI) Monitoring Event (Quarterly Event)

2.0 QUARTERLY INSPECTIONS

Inspections of the landfill are conducted on a quarterly basis. Areas throughout the landfill are examined to ensure the various components of the landfill cover system are operational. During the reporting period, CRA personnel performed the required quarterly inspection in accordance with the OMP.

Quarterly inspections are conducted on the constructed Remedial Action (RA) components including the landfill cap, gas venting system, leachate collection system, and wetland areas, as well as general Site features such as access roads and the perimeter security fence.

Inspections are recorded on Operation and Maintenance Inspection Forms. A copy of the September 2012 and December 2012 inspection forms are presented in Appendix A. All original forms are kept on file at the CRA Kalamazoo, Michigan office.

Inspections include, but are not limited to, the following items:

- Side slopes for bulging or other evidence of slope instability
- Landfill cover for evidence of erosion, exposure of GCL or clay, settlement causing ponding of water, and areas of insufficient vegetation
- Landfill cover for evidence of leachate outbreaks, particularly on the side slopes
- Landfill cover for evidence of burrowing animals, tree rooting, or other evidence of conditions potentially impacting the integrity of closure cover
- Landfill cover and access roadways for evidence of damage caused by monitoring and maintenance vehicular traffic
- Surface water management structures such as the sedimentation ponds, culverts, and principal and emergency spillways for evidence of clogging, blockage or silt accumulation
- Surface water ditches and channels for evidence of clogging and/or blockage and for evidence of erosion
- Leachate collection system manholes for evidence of damage
- New wetlands to evaluate the success of the wetlands mitigation activities

3.0 GROUNDWATER AND SURFACE WATER MONITORING

Quarterly GSI monitoring has been conducted at the Site since 1998 pursuant to the GSI Monitoring Plan. The GSI monitoring activities include groundwater and surface water sampling activities. This section presents the results of the GSI Monitoring for the following events:

- September 2012 quarterly sampling event
- December 2012 quarterly sampling event

3.1 INTRODUCTION

Consistent with the January 2002 GSI Monitoring Plan prepared by Golder Associates Inc., this report has been prepared to:

a) Report whether groundwater contaminants at the GSI remain below the Site-specific criteria

b) Demonstrate that the GSI monitoring and remedial response are effective

c) Determine whether the scope of the GSI monitoring program can be reduced or discontinued in accordance with Section 3 of the GSI Monitoring Plan

CRA sampling activities were initiated in July 2002. Golder Associates Inc. conducted the previous monitoring events (September 1998 to April 2002).

3.1.1 SCOPE OF WORK/FIELD ACTIVITIES

CRA field personnel conducted field activities during two events:

- September 24 - 28, 2012
- December 16 – 18, 2012

All field activities were conducted in accordance with the Scope of Work (SOW) listed in the GSI Monitoring Plan, which include the following:

- Surface Water Level Measurements
- Static Groundwater Level Measurements

- Surface Water Sampling
- Groundwater Sampling

Each of the activities listed above is discussed below citing any changes or additions to the SOW.

Following the September 2012 monitoring event, 14 new gas probes and two bar holes were installed at the Site to provide additional data to update the limited combustible gas assessment completed along the on-Site perimeter in April 2006. The work was completed in accordance with the Perimeter Combustible Gas Survey Work Plan (Work Plan) submitted to the United States (U.S.) Environmental Protection Agency (EPA) Region 5 on December 2, 2011 and after various comments and responses, a final version of the Work Plan (dated August 28, 2012) was approved on September 18, 2012 by the U.S. EPA. The field investigation occurred from September 24, 2012 to September 28, 2012.

The data obtained from the field investigation is presented in Section 4.0.

3.1.2 WATER LEVEL MEASUREMENTS

September 2012 Event

CRA collected a round of static water level measurements on September 24, 2012 from the monitoring well network (MW-F, MW-GR, M-1, MW-1WS, MW-1WI, MW-1WD, MW-2WS, MW-2WD, MW-3WS, MW-3WD, W-3, MW-4S, W-5-05, MW-C-05, MW-D-05 and MW-E-05). CRA staff also collected a round of static water level measurements from the three (3) on-Site staff gauges (SG-1, SG-2, and SG-3R), one off-Site downstream location (SW-4), and one off-Site upstream location (SW-5) on September 26, 2012. The location of each monitoring well and staff gauge is presented on Figure 3.1. A contour map illustrating the shallow zone groundwater flow for September is included as Figure 3.2A.

Free-flowing conditions were present at MW-2WD and MW-3WD and no static water level could be obtained. All other well caps were unlocked and removed, allowing the water levels to stabilize prior to being measured using an electronic water level meter. Static water levels were measured to the top of each riser. The recorded static water elevations are summarized in Table 3.1 along with past water level measurements.

Following the static water level measurement and groundwater sample collection, historical galvanized monitoring wells M-1 and W-3 were abandoned and replaced concurrent with the gas probe installation field work. The abandonment and replacement of M-1 and W-3 was approved by the U.S. EPA on September 18, 2012. The replacement wells were labeled as M-1-12 and W-3-12, as presented on Figure 3.1.

December 2012 Event

CRA collected a round of static water level measurements on December 17, 2012 from the monitoring well network (MW-F, MW-GR, M-1-12 (replacement well for M-1), MW-1WS, MW-1WI, MW-1WD, MW-2WS, MW-2WD, MW-3WS, MW-3WD, W-3-12 (replacement well for W-3), MW-4S, W-5-05, MW-C-05, MW-D-05 and MW-E-05). CRA staff also collected a round of static water level measurements from the three (3) on-Site staff gauges (SG-1, SG-2, and SG-3R), one off-Site downstream location (SW-4), and one off-Site upstream location (SW-5) on December 18, 2012. The location of each monitoring well and staff gauge is presented on Figure 3.1. A contour map illustrating the shallow zone groundwater flow for December is included as Figure 3.2B.

Free-flowing conditions were present at MW-2WD and MW-3WD and no static water level could be obtained. All other well caps were unlocked and removed, allowing the water levels to stabilize prior to being measured using an electronic water level meter. Static water levels were measured to the top of each riser. The recorded static water elevations are summarized in Table 3.1 along with past water level measurements.

3.1.3 SURFACE WATER SAMPLING

Field water quality measurements including pH, specific conductivity, temperature, oxidation-reduction potential (ORP), dissolved oxygen and turbidity were recorded in consecutive timed intervals using a QED MP-20 Flow Cell and HACH 2100P turbidity meter prior to sample collection. Each sample was collected using a 500 mL unpreserved fetch bottle and analyzed for hardness (alkalinity as CaCO3) and total suspended solids (TSS). Collected surface water samples were containerized in laboratory provided containers, labeled, packed on ice, and delivered by CRA personnel under chain of custody protocol to Test America in North Canton, Ohio.

Please note that the results of the field water quality measurements in CRA's field notes are not included with this report, but are available for review upon request.

September 2012 Event

On September 26, 2012 CRA field personnel collected surface water samples from five (5) locations including three (3) on-Site staff gauges (SG-1, SG-2, and SG-3R), one off-Site downstream location (SW-4), and one off-Site upstream location (SW-5). The location of each sample collected is presented on Figure 3.1.

A sample key for the September 2012 sampling event is presented in Table 3.2A.

December 2012 Event

On December 18, 2012 CRA field personnel collected surface water samples from five (5) locations including three (3) on-Site staff gauges (SG-1, SG-2, and SG-3R), one off-Site downstream location (SW-4), and one off-Site upstream location (SW-5). The location of each sample collected is presented on Figure 3.1.

A sample key for the December 2012 sampling event is presented in Table 3.2B

3.1.4 GROUNDWATER SAMPLING

Groundwater samples were collected in September and December 2012 quarterly events. All wells were purged with a peristaltic pump using low-flow purge techniques. Field groundwater quality measurements including pH, specific conductivity, temperature, ORP, dissolved oxygen and turbidity were recorded in consecutive timed intervals using a QED MP-20 Flow Cell and HACH 2100P turbidity meter. Upon groundwater stabilization, groundwater samples were collected.

Collected groundwater samples were containerized in laboratory provided containers, labeled, packed on ice, and shipped via FedEx priority overnight, under chain of custody protocol to Test America located in North Canton, Ohio. Groundwater samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs), TAL metals, Cyanide, biological oxygen demand (BOD), chemical oxygen demand (COD), Alkalinity, Chloride, unionized ammonia (NH3), Phosphorus, Sulfate and Phenolics.

Please note that the results of the field water quality measurements in CRA's field notes are not included with this report, but are available for review upon request.

September 2012 Event

On September 24 and 25, 2012, CRA field personnel collected groundwater samples from a total of 10 monitoring wells: M-1, MW-GR, W-3, MW-1WS, MW-2WS, MW-3WS, MW-4S, MW-C-05, MW-E-05 and W-5-05. The location of each monitoring well is presented on Figure 3.1. A sample key is included as Table 3.2A.

December 2012 Event

On December 17 and 18, 2012, CRA field personnel collected groundwater samples from a total of 10 monitoring wells: M-1-12 (replacement well for M-1), MW-GR, W-3-12 (replacement well for W-3), MW-1WS, MW-2WS, MW-3WS, MW-4S, MW-C-05, MW-E-05 and W-5-05. The location of each monitoring well is presented on Figure 3.1. A sample key is included as Table 3.2B.

3.2 RESULTS AND DISCUSSION

3.2.1 WATER LEVEL ELEVATIONS

September 2012 Event

The static water levels collected during the September 2012 event from each well and staff gauge within the network were used to calculate the groundwater elevations, as summarized in Table 3.1. Figure 3.2A displays the shallow zone potentiometric elevations recorded in September 2012.

As presented in Table 3.1 and Figure 3.2A, the September 2012 calculated groundwater elevations indicate that the hydraulic gradient in the shallow zone is towards the Davis-Olmstead Drain/Davis Creek.

December 2012 Event

The static water levels collected during the December 2012 event from each well and staff gauge within the network were used to calculate the groundwater elevations, as summarized in Table 3.1. Figure 3.2B displays the shallow zone potentiometric elevations recorded in December 2012.

As presented in Table 3.1 and Figure 3.2B, the December 2012 calculated groundwater elevations indicate that the hydraulic gradient in the shallow zone is towards the Davis-Olmstead Drain/Davis Creek.

3.2.2 SURFACE WATER ANALYTICAL RESULTS

The results of the September and December 2012 sampling events are included in the database summary CD presented in Appendix B. The raw analytical data from each event are also presented in Appendix B. TestAmerica's data validation summaries and CRA's data validation reports are not included with this report but are available for review upon request.

September 2012 Event

The results of the surface water sampling for the September event are presented in Table 3.3A and indicate that no hardness or TSS-dependant constituents are of concern in the groundwater adjacent to the Davis-Olmstead Drain/Davis Creek.

December 2012 Event

The results of the surface water sampling for the December event are presented in Table 3.3B and indicate that no hardness or TSS-dependent constituents are of concern in the groundwater adjacent to the Davis-Olmstead Drain/Davis Creek.

3.2.3 GROUNDWATER ANALYTICAL RESULTS

The groundwater sampling results for each well sampled in September 2012 and December 2012 is presented in Table 3.4A and Table 3.4B, respectively. Included in each table are calculated unionized ammonia (NH3) concentrations. Each result has been compared to the applicable Site-specific criterion, which is the Final Acute Value (FAV) obtained from the Rule 57 Water Quality Values. An electronic copy of the database summary is included in Appendix B. The raw analytical data are also included in Appendix B. TestAmerica's data validation summaries and CRA's data validation reports are not included with this report but are available for review upon request.

September 2012 Event

The calculated value for unionized ammonia was determined for each well based on the nitrogen ammonia result and the pH and temperature from each well. Unionized ammonia was detected in all 10 monitoring wells where samples for nitrogen ammonia were collected during the September 2012 sampling event. The calculated unionized ammonia values were below the FAV for all monitoring wells.

VOCs were detected in monitoring wells M-1, MW-1WS, MW-2WS, MW-4S and MW-E-05 at levels below the applicable FAV. Benzene was reported below the FAV in M-1, MW-1WS, MW-2WS, MW-4S and MW-E-05. Chlorobenzene was reported at M-1, MW-1WS, MW-2WS and MW-E-05 below the FAV. 1,4-Dichlorobenzene was reported below the FAV in MW-1WS and MW-E-05. All of these results are consistent with historical results obtained for the Site.

Various TAL metals were detected in each of the wells but all were at levels below the applicable FAV. Zinc was not detected at the 2005 replacement wells in any of the sampling events, with minor exceptions as previously reported with detections slightly above the detection limit but well below the FAV. The September 2012 sampling event produced a zinc level of 620 µg/L and 1,200 µg/L at W-3 and M-1, respectively. Detection of zinc at the galvanized casing monitoring wells is consistent with historical sampling events. These results continue to demonstrate that the elevated zinc detections historically observed at these locations were attributable to the galvanized well casings.

It should be noted that 28 quarterly rounds of data have now been collected from the 2005 monitoring wells that were installed as replacements for the galvanized steel monitoring wells at the Site. The well replacements, along with the abandonment of the galvanized wells, were approved by the United States Environmental Protection Agency (U.S. EPA) in a July 14, 2005 letter. The results of the previous rounds of sampling were presented in previous progress reports. As discussed in the June 1999 Pre-Remedial Design Investigation Report, elevated zinc was observed only in samples from wells constructed with galvanized steel casings (both upgradient and within the area of impacted groundwater). To further demonstrate that the elevated zinc was associated with the galvanized well casings, CRA installed and sampled Polyvinyl Chloride (PVC) replacement wells and properly abandoned the existing wells constructed of galvanized steel. It should be noted that M-1 and W-3 were not replaced in 2005 due to access concerns at the time due to the steep slopes of the landfill. They have continued to be included in the quarterly sampling events. However, following the collection of the September 2012 quarterly monitoring data, monitoring wells M-1 and W-3 were

properly abandoned and replaced with PVC monitoring wells. The replacement wells were surveyed and labeled M-1-12 and W-3-12 and are presented on Figure 3.1.

December 2012 Event

The calculated value for unionized ammonia was determined for each well based on the nitrogen ammonia result and the pH and temperature from each well. Unionized ammonia was detected in all 10 monitoring wells where samples for nitrogen ammonia were collected during the December 2012 sampling event. The calculated unionized ammonia values were below the FAV for all monitoring wells.

Various TAL metals were detected in each of the wells but all were at levels below the applicable FAV. Zinc was not detected at the new replacement monitoring well W-3-12. The zinc concentration detected at M-1-12 was 4.7 µg/L, which is slightly above the detection limit but well below the FAV. These results continue to demonstrate that the elevated zinc detections historically observed were attributable to the galvanized well casings.

VOCs were detected in monitoring wells M-1-12, MW-1WS, MW-2WS and MW-E-05 at levels below the applicable FAV. Benzene was reported below the FAV in M-1-12 and MW-2WS. Chlorobenzene was reported at M-1-12, MW-1WS, MW-2WS and MW-E-05 below the FAV. 1,4-Dichlorobenzene was reported below the FAV in MW-1-12, MW-1WS and MW-E-05. All of these results are consistent with historical results obtained for the Site.

3.2.4 CONCLUSIONS

As presented in the information listed above, the GSI Monitoring event conducted in September 2012 and December 2012 indicates that the groundwater results at the GSI remain below the Site-specific criteria.

4.0 LANDFILL GAS SYSTEM MAINTENANCE AND MONITORING

In accordance with the Perimeter Combustible Gas Survey Work Plan (Work Plan) dated August 28, 2012, 14 new gas probes were installed at the Site to provide additional data to update the limited combustible gas assessment completed along the on-Site perimeter and the off-Site Republic Waste property in April 2006. The field investigation occurred from September 24, 2012 to September 28, 2012, and the results are discussed in the following sections.

The gas quality parameters that were monitored from the gas probes included soil gas pressure (inches of water column), methane (percent by volume), carbon dioxide (percent by volume), oxygen (percent by volume) and organic vapor (parts per million). Methane, carbon dioxide, oxygen and organic vapors were measured in the manholes/sanitary line. The gas quality information was measured using a Landtec Model GEM 2000 portable gas analyzer. High methane and carbon dioxide readings combined with low oxygen levels generally indicate the presence of landfill gas (LFG) in the soil gas. LFG pressure readings are used as an indicator of the potential for soil gas migration in the subsurface environment. The results of the gas probe monitoring for the existing and new gas probes and manholes along the sanitary line from the September 2012 and December 2012 monitoring events are presented in Tables 4.1 and 4.2, respectively.

Locations of the existing and new gas probes and sanitary sewer manhole locations are presented on the attached Figure 4.1. Figure 4.2 provides more detail on the sanitary sewer and leachate collection lines.

4.1 GAS PROBE QUALITY MONITORING

Migration potential is considered for methane concentrations in excess of 25 percent of the lower explosive limit (LEL) for methane (1.25 percent by volume) in monitoring probes established outside the limit of refuse.

Landfill gas quality monitoring has been completed at various gas probes around the perimeter of the landfill since November 2005. The results of the monitoring have indicated methane concentrations in excess of 25% of the LEL for methane (or 1.25% by volume) at various gas probes. Elevated readings higher than 30% by volume have been detected at various locations. Pressure readings taken during the monitoring have been consistently low indicating a low potential for migration. As discussed in previous progress reports, the limit of the refuse at the Site is close to the Site property boundary

along most of the landfill perimeter. In a properly vented landfill, methane concentrations will decline rapidly beyond the limit of the refuse. Perimeter gas probes to assess migration and conditions beyond the limit of refuse are typically installed at a property line or several feet (e.g., as much as 50 feet) away from the limit of the refuse. Because of the proximity of the limit of refuse to the Site property boundary, it is believed the methane results for the gas probes previously monitored at the Site are representative of conditions within the refuse, not outside the refuse or Site boundary. The results of the September and December 2012 monitoring events provide additional data to further assess LFG quality further beyond the limits of the refuse.

September 2012 Event

CRA personnel completed two bar hole monitoring locations along the northeastern property line, next to the sanitary sewer, as presented on Figure 4.1, to determine if methane exceeding 25 percent of the LEL is leaving the Site within the sewer bedding. Bar hole monitoring was completed by inserting a four-foot long metal rod with a ½-inch ball on one end into the ground. The rod was hammered in to a depth of five to six feet below grade. The rod was retracted and a 3/8-inch diameter poly tube was inserted into the ½ inch hole. A ¼-inch poly tube from a Landtec portable gas analyzer was run through a Master Flex peristaltic pump. This tube was inserted approximately 10 inches into the 3/8-inch tube. The bar hole was sealed with soils (packed by hand around the tubing) and readings were collected from the Landtec meter. If the readings were stable the bar hole was purged for five minutes and the reading was recorded. Very low levels of methane were recorded in both bar holes (Bar hole # 1 and Bar hole # 2), as presented on Table 4.1. Oxygen levels were high indicating there may have been some short-circuiting during monitoring or very loose soils. From the bar hole monitoring data, it does not appear that methane gas exceeding 25 percent of the LEL is migrating along the sanitary sewer bedding and leaving the Site.

An additional 14 gas probes (GP-9 to GP-22) were installed along the perimeter of the Site to further evaluate potential methane gas migration, as presented on Figure 4.1. A borehole was advanced to the groundwater table at each location using a Geoprobe® drilling rig. Soil samples collected from each borehole was logged detailing geologic conditions encountered, soil classification (Unified Soil Classification System), relative moisture content and photoionization detector (PID) headspace readings for VOCs. Borehole logs for the new gas probes are provided in Appendix C. The gas probes were constructed of ¾-inch diameter Schedule 40 PVC screen with a 1-foot screen, and were completed with a threaded ¾-inch diameter Schedule 40 PVC riser pipe. To ensure the 1-foot screen does not become saturated from the groundwater, the screen was set approximately 1-foot above the highest known historic water table at each location. The

final screen elevation was determined in the field based on field conditions. A sand pack was installed around each screen, extending approximately 12 inches above the screen. A hydrated bentonite pellet depth of 1 foot was placed directly above the sand/gravel pack. A surface seal of 6 inches of concrete was placed around an aboveground protective casing draining away from the gas probe and each probe was sealed with a ½- inch friction cap completed with a hose barb and valve assembly.

During the September 2012 monitoring event, methane levels exceeded 25 percent of the LEL at nine locations (GP-2, GP-3, GP-4, GP-5, GP-8, GP-17, GP-18, GP-19 and GP-20). Methane levels ranging from 0.0 to 44.3 percent by volume were reported. Carbon dioxide readings ranging from 0.0 to 22.4 percent by volume were recorded while oxygen readings ranging from 0.0 to 19.7 percent by volume were recorded. The results of the gas probe quality monitoring from September 2012 are presented in Table 4.1.

The results of the data provided by the new gas probes support the argument that the elevated methane readings are a result of proximity to the refuse and not methane migration. Gas probes GP-2 and GP-3 located within the northern corner of the Site have had consistently high methane readings. However gas probes GP-09, GP-10, GP-11, and GP-12, which are located further beyond the limits of the refuse in the northern corner of the Site, all had methane readings below 25 percent of the LEL, indicating that methane readings are declining rapidly beyond the limit of the refuse. Similar results were obtained from gas probes GP-8, GP-20 and GP-19. The methane reading at GP-8 was 16.7% by volume, and at GP-20 the methane reading was 2.2% by volume, indicating that concentrations of methane are declining further away from the refuse. Gas probes GP-5, GP-17 and GP-18, located in the southeastern corner of the Site, had methane readings above 25 percent of the LEL, however it is believed that these results are due to proximity to the refuse which is right at the property boundary and the concentrations would likely decline rapidly a short distance from this area. The borehole logs for GP-17 and GP-18 (provided in Appendix C) indicate that some refuse was encountered during the installation of the gas probes. The low pressure readings would also prevent migration of LFG further beyond the limits of the refuse.

A reading could not be obtained from GP-9 since the hose barb/valve assembly was not intact.

<u>December 2012 Event</u>

During the December 2012 monitoring event, methane levels exceeded 25 percent of the LEL at nine locations (GP-1, GP-2, GP-3, GP-4, GP-5, GP-8, GP-17, GP-18 and GP-20). Methane levels ranging from 0.0 to 47.1 percent by volume were reported. Carbon

dioxide readings ranging from 0.0 to 21.3 percent by volume were recorded while oxygen readings ranging from 0.0 to 21.0 percent by volume were recorded.

The results of the gas probe quality monitoring from December 2012 are presented in Table 4.1. The results of the December 2012 data provided by the new gas probes continues to support that the elevated methane readings are a result of proximity to the refuse and not methane migration. Gas probes GP-2 and GP-3 located within the northern corner of the Site have had consistently high methane readings. However gas probes GP-09, GP-10, GP-11, and GP-12, which are located further beyond the limits of the refuse in the northern corner of the Site, all had methane readings below 25 percent of the LEL, indicating that methane readings are declining rapidly beyond the limit of the refuse. Similar results were obtained from gas probes GP-8, GP-20 and GP-19. The methane reading at GP-8 was 12.0% by volume, and at GP-20 the methane reading was 1.9% by volume, indicating that concentrations of methane are significantly declining away from the refuse. Gas probes GP-5, GP-17 and GP-18, located in the southeastern corner of the Site, had methane readings above 25 percent of the LEL, however it is believed that these results are due to proximity to the refuse which is right at the property boundary and the concentrations would likely decline rapidly a short distance from this area.

4.2 GAS MONITORING ALONG SANITARY SEWER

September 2012 Event

Monitoring at manholes along the sanitary sewer on the east side of the Site was conducted on September 25, 2012. The Landtec meter was utilized to collect methane, carbon dioxide and oxygen readings from just below the manhole cover. Locations of the manholes are illustrated in Figure 4.2. Table 4.2 presents the gas quality data collected to date from these manholes.

On September 25, 2012, methane levels ranging from 0.2 to 0.3 were reported in the manholes checked along the sanitary line. Detectable levels of methane were recorded along the leachate collection system at MH-G#1, MH-G#2, MH-G#3 and MH-G#4. The highest methane reading obtained from the manholes along the leachate collection system was 5.7% at MH-G#3.

December 2012 Event

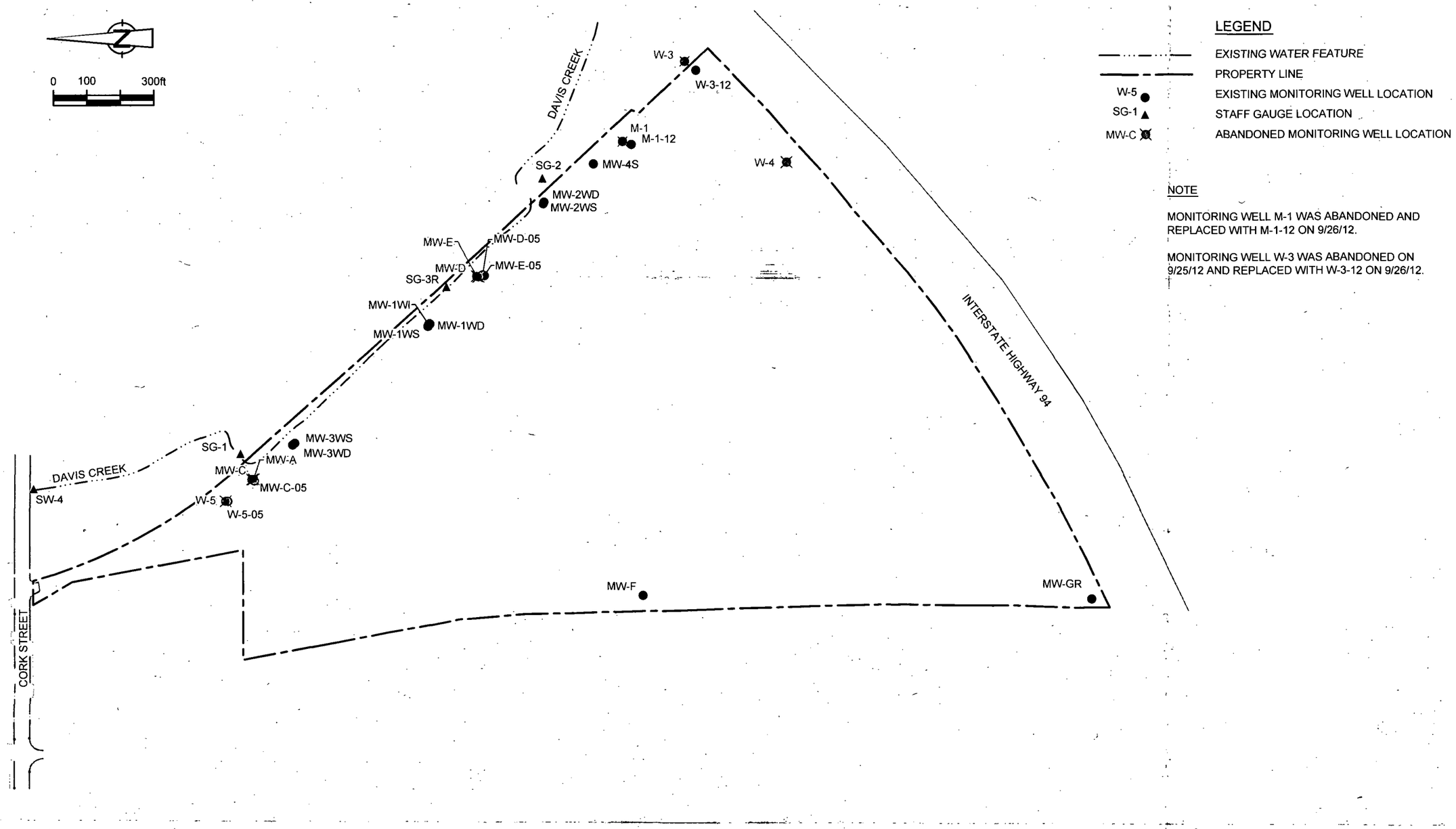
Monitoring at manholes along the sanitary sewer on the east side of the Site was conducted on December 17, 2012. The Landtec meter was utilized to collect methane, carbon dioxide and oxygen readings from just below the manhole cover. Locations of the manholes are illustrated in Figure 4.2. Table 4.2 presents the gas quality data collected to date from these manholes.

On December 17, 2012, methane levels of 0.0 were recorded at all manholes checked along the sanitary line. Detectable levels of methane were recorded along the leachate collection system at MH-G#1, MH-G#2, MH-G#3 and MH-G#4. The highest methane reading obtained from the manholes along the leachate collection system was 13.0% at MH-G#1.

Monitoring of the manholes within the sewer system has been completed since 2006. The methane detections are believed to be associated with the leachate being discharged to the sewers and not related to methane migrating into the sewers. Further monitoring of the manholes is not considered necessary to assess conditions at the Site and will not be completed in future events.

5.0 ADDITIONAL ACTIVITIES COMPLETED AND SCHEDULED MAINTENANCE

The March 2013 quarterly sampling event will be scheduled for mid to late March 2013. No scheduled maintenance is planned at this time.

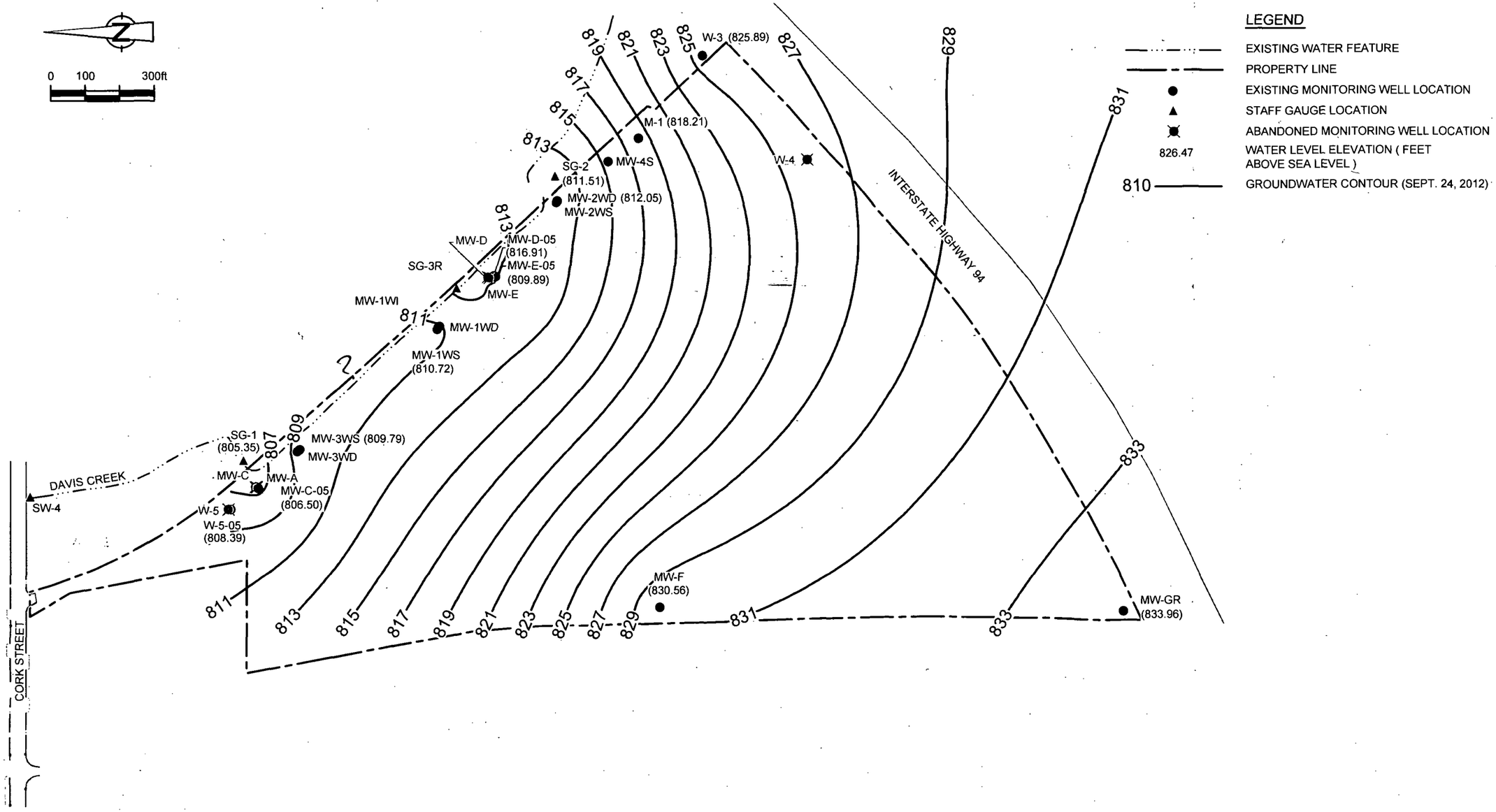


SOURCE: GOLDER ASSOCIATES; PROJECT NUMBER 983-8466, "100% DESIGN MICHIGAN DISPOSAL SERVICE SUPERFUND SITE, CORK STREET LANDFILL"; SHEET 1, "EXISTING CONDITIONS"

figure 3.1

SITE PLAN
CORK STREET LANDFILL SITE
Kalamazoo, Michigan

52222-00(021)GN-WI001 MAR 25/2013

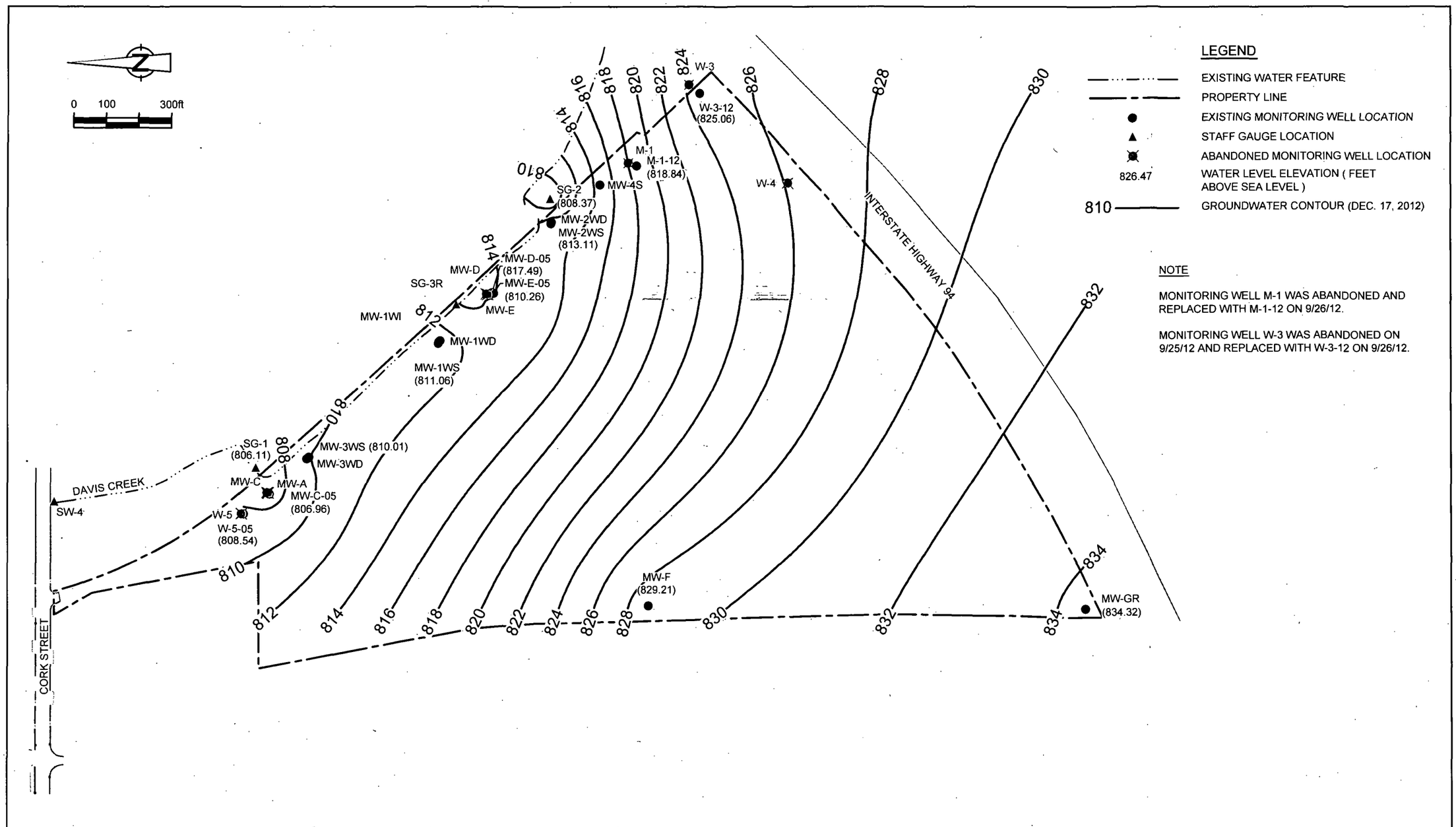


SOURCE: GOLDER ASSOCIATES; PROJECT NUMBER 983-8466, "100% DESIGN MICHIGAN DISPOSAL SERVICE SUPERFUND SITE, CORK STREET LANDFILL"; SHEET 1, "EXISTING CONDITIONS"

figure 3.2A

SHALLOW ZONE POTENTIOMETRIC MAP
QUARTERLY SAMPLING EVENT - SEPTEMBER 2012
CORK STREET LANDFILL SITE
Kalamazoo, Michigan

52222-00(021)GN-WI002 MAR 26/2013

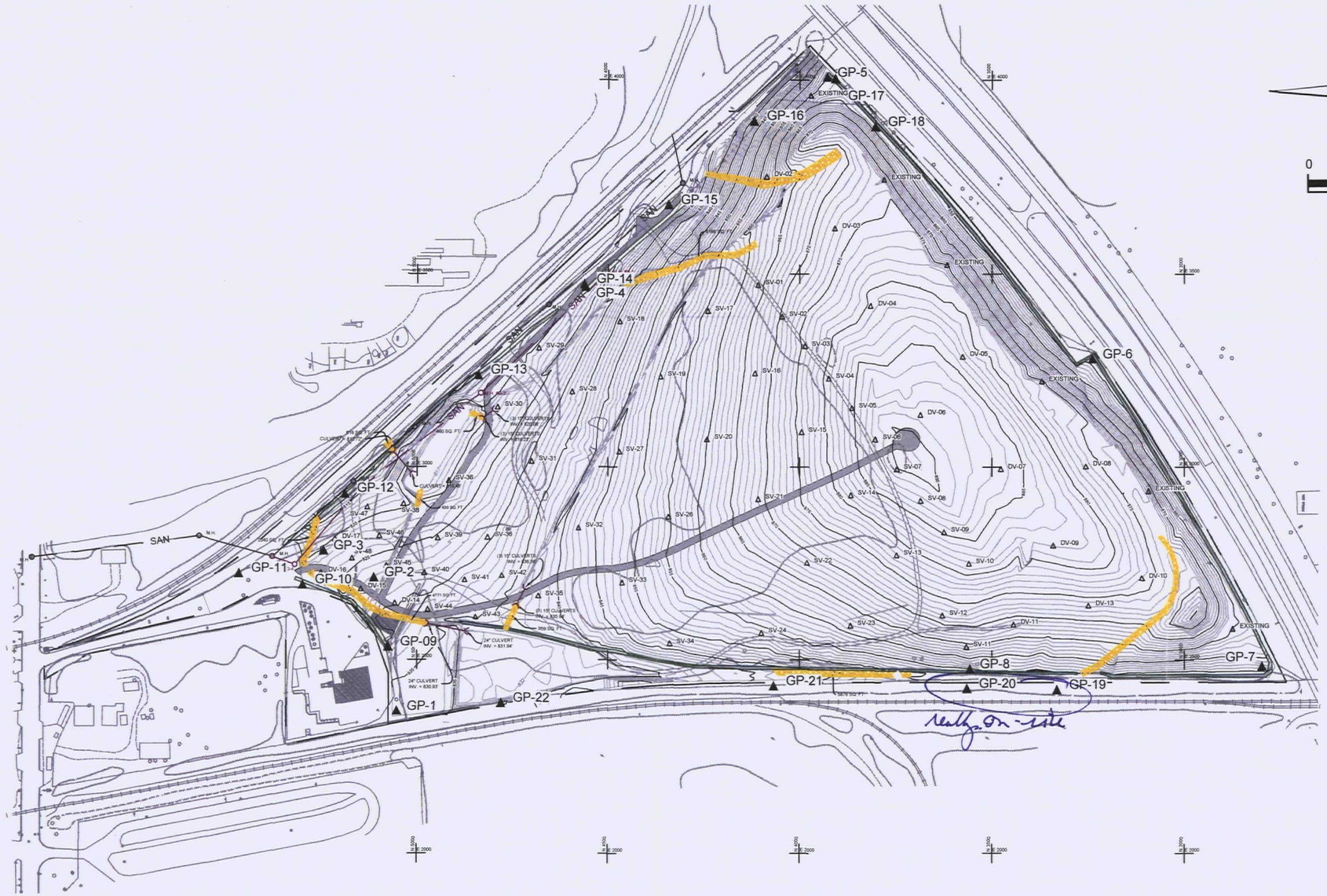


SOURCE: GOLDER ASSOCIATES; PROJECT NUMBER 983-8466, "100% DESIGN MICHIGAN DISPOSAL SERVICE SUPERFUND SITE, CORK STREET LANDFILL"; SHEET 1, "EXISTING CONDITIONS"

figure 3.2B

SHALLOW ZONE POTENTIOMETRIC MAP
QUARTERLY SAMPLING EVENT - DECEMBER 2012
CORK STREET LANDFILL SITE
Kalamazoo, Michigan

52222-00(021)GN-WI003 MAR 25/2013



LEGEND

△ SV-41	SHALLOW VENT LOCATION	— - — - —	PROPERTY LINE
△ DV-07	DEEP VENT LOCATION	— — — SAN —	SANITARY SEWER
▲ GP-03	GAS PROBE LOCATION		

figure 4.1

GAS PROBE AND GAS VENT LOCATIONS
CORK STREET LANDFILL SITE
Kalamazoo, Michigan

52222-00(021)GN-WI004 MAR 25/2013

LEGEND

	PROPERTY LINE
SAN	SANITARY SEWER
	LEACHATE COLLECTION SYSTEM
MW5-05 ●	EXISTING MONITORING WELL LOCATION
MW-C ✱	ABANDONED MONITORING WELL LOCATION
GP*4 ▲	GAS PROBE LOCATION

figure 4.2

LEACHATE COLLECTION SYSTEM
CORK STREET LANDFILL SITE
Kalamazoo, Michigan

52222-00(021)GN-WI005 MAR 25/2013

WATER ELEVATIONS/SUMMARY OF HISTORIC GROUNDWATER ELEVATIONS
ANNUAL GSI MONITORING EVENT - SEPTEMBER AND DECEMBER 2012
CORK STREET LANDFILL SITE
KALAMAZOO, MI

Well ID	Ground Surface	Top of Casing	Well Screen Top	Well Screen Bottom	Depth to Groundwater 2008 6/25	2008 9/23	2008 12/15	2009 3/24	2009 6/22	2009 9/23	2009 12/16	2010 3/30	2010 6/16	2010 9/16	2010 12/20	2011 3/21	2011 6/13	2011 9/15	2011 12/13	2012 3/26	2012 6/11	2012 9/24	2012 12/17
M-1	831.37	833.87	815.37	812.37	NM	10.27	12.36	9.77	12.11	13.90	12.02	11.56	10.68	15.49	14.34	10.87	10.10	14.38	11.19	11.17	14.38	15.66	AB
MW-1-12	830.982	833.206	817.206	814.206	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	14.37
MW-C-05	815.68	816.64	800.36	795.36	9.63	8.68	9.01	8.68	8.97	9.46	9.05	9.22	8.70	9.75	9.56	8.90	8.97	9.48	8.80	8.83	9.60	10.14	9.68
MW-D-05	818.22	821.25	787.22	782.22	6.03	4.58	4.64	3.98	4.09	4.65	4.48	3.90	3.93	5.52	4.49	3.66	3.72	3.98	3.47	3.50	4.02	4.34	3.76
MW-E-05	818.43	821.51	807.84	802.84	11.36	11.08	10.61	10.81	11.02	11.42	10.86	11.05	10.85	11.63	11.34	10.46	11.03	11.52	10.90	10.72	11.28	11.62	11.25
MW-F	844.24	845.77	822.24	819.24	14.11	13.65	14.71	13.32	13.78	15.65	15.08	15.01	NM	16.46	16.74	14.41	14.91	15.95	14.30	13.78	15.62	15.21	16.56
MW-GR	855.53	857.87	832.53	827.53	24.70	20.85	21.87	20.24	20.94	22.20	22.27	22.36	21.56	22.79	23.55	22.78	21.07	22.15	21.84	21.20	21.94	23.91	23.55
MW-1WS	815.51	818.01	806.51	801:51	6.75	6.29	6.22	5.99	6.09	6.88	6.58	6.63	6.02	7.16	7.14	6.45	6.49	7.82	6.56	6.28	6.84	7.29	6.95
MW-1WI	815.52	818.02	768.52	763.52	3.16	2.75	3.23	2.13	2.57	3.48	4.05	3.84	3.13	4.62	4.38	4.03	2.85	3.44	3.35	2.91	3.38	4.15	4.31
MW-1WD	815.46	818.06	748.46	743.46	3.19	2.75	3.24	2.12	2.56	3.51	4.06	3.87	3.06	4.62	4.41	4.03	2.85	3.49	3.35	2.90	3.40	4.18	4.31
MW-2WS	815.46	817.86	809.46	804.46	5.46	3.87	3.61	3.68	4.53	5.47	3.96	4.25	3.48	5.84	4.95	3.51	4.04	5.45	3.72	3.75	5.50	5.81	4.75
MW-2WD	815.3	817.9	767.3	762.3	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
MW-3WS	810.34	812.94	803.34	798.34	2.80	2.39	2.44	2.17	2.34	2.73	2.87	2.82	2.49	3.21	3.09	2.75	2.41	2.77	2.50	2.41	2.74	3.15	2.93
MW-3WD	810.24	812.74	756.24	751.24	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
MW-4S	NM	NM	NM	NM	NM	3.33	4.10	2.95	4.51	5.41	4.84	3.72	3.20	6.62	5.45	3.10	3.22	5.51	3.28	3.15	5.65	6.34	5.18
W-3	829	831.07	822	819	5.18	4.57	3.80	2.17	5.13	5.18	5.07	5.32	4.62	5.31	5.44	4.86	4.90	5.21	5.28	5.18	5.28	5.18	AB
W-3-12	828.42	830.705	823.705	820.705	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5.65
W-5-05	820.9	823.43	803.2	800.2	15.12	14.86	14.92	14.66	14.76	15.03	14.87	14.94	14.66	15.28	15.05	14.74	14.65	14.83	14.52	14.50	14.76	15.04	14.89
SG-1	-	809.45	-	-	3.10	2.69	2.45	2.50	2.85	3.21	3.08	3.02	2.75	3.28	3.33	2.65	2.88	3.25	2.22	2.85	3.19	4.10	3.34
SG-2	-	814.86	-	-	7.15	6.36	5.86	5.89	5.96	6.09	6.79	6.04	5.88	6.04	5.48	8.45	5.60	5.68	4.90	5.46	6.22	3.35	6.49
SG-3R	-	809.76	-	-	0.30	NM	0.60	1.56	0.40	0.14	0.25	0.28	NM	0.20	NM	NM	NM	0.20	1.10	NM	NM	NM	NM

NOTES:
AB - Abandoned
NM - Not Measured

TABLE 3.1

WATER ELEVATIONS/SUMMARY OF HISTORIC GROUNDWATER ELEVATIONS
ANNUAL GSI MONITORING EVENT - SEPTEMBER AND DECEMBER 2012
CORK STREET LANDFILL SITE
KALAMAZOO, MI

Groundwater Elevations

Well ID	2008				2009				2010				2011				2012			
	5/6	6/25	9/23	12/15	3/24	6/22	9/23	12/16	3/30	6/16	9/16	12/20	3/21	6/13	9/15	12/13	3/26	6/11	9/24	12/17
M-1	822.12	--	823.60	821.51	824.10	821.76	819.97	821.85	822.31	823.19	818.38	819.53	823.00	823.77	819.49	822.68	822.70	819.49	818.21	AB
MW-1-12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	818.84
MW-C-05	807.51	807.01	807.96	807.63	807.96	807.67	807.18	807.59	807.42	807.94	806.89	807.08	807.74	807.67	807.16	807.84	807.81	807.04	806.50	806.96
MW-D-05	816.54	815.22	816.67	816.61	817.27	817.16	816.60	816.77	817.35	817.32	815.73	816.76	817.59	817.53	817.27	817.78	817.75	817.23	816.91	817.49
MW-E-05	810.36	810.15	810.43	810.90	810.70	810.49	810.09	810.65	810.46	810.66	809.88	810.17	811.05	810.48	809.99	810.61	810.79	810.23	809.89	810.26
MW-F	831.49	831.66	832.12	831.06	832.45	831.99	830.12	830.69	830.76	NM	829.31	829.03	831.36	830.86	829.82	831.47	831.99	830.15	830.56	829.21
MW-GR	836.46	833.17	837.02	836.00	837.63	836.93	835.67	835.60	835.51	836.31	835.08	834.32	835.09	836.80	835.72	836.03	836.67	835.93	833.96	834.32
MW-1WS	811.56	811.26	811.72	811.79	812.02	811.92	811.13	811.43	811.38	811.99	810.85	810.87	811.56	811.52	810.19	811.45	811.73	811.17	810.72	811.06
MW-1WI	815.03	814.86	815.27	814.79	815.89	815.45	814.54	813.97	814.18	814.89	813.40	813.64	813.99	815.17	814.58	814.67	815.11	814.64	813.87	813.71
MW-1WD	815.09	814.87	815.31	814.82	815.94	815.50	814.55	814.00	814.19	815.00	813.44	813.65	814.03	815.21	814.57	814.71	815.16	814.66	813.88	813.75
MW-2WS	813.29	812.40	813.99	814.25	814.18	813.33	812.39	813.90	813.61	814.38	812.02	812.91	814.35	813.82	812.41	814.14	814.11	812.36	812.05	813.11
MW-2WD	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12
MW-3WS	810.24	810.14	810.55	810.50	810.77	810.60	810.21	810.07	810.12	810.45	809.73	809.85	810.19	810.53	810.17	810.44	810.53	810.20	809.79	810.01
MW-3WD	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12	>817.12
MW-4S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
W-3	825.51	825.89	826.50	827.27	828.90	825.94	825.89	826.00	825.75	826.45	825.76	825.63	826.21	826.17	825.86	825.79	825.89	825.79	825.89	AB
W-3-12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	825.06
W-5-05	808.45	808.31	808.57	808.51	808.77	808.67	808.40	808.56	808.49	808.77	808.15	808.38	808.69	808.78	808.60	808.91	808.93	808.67	808.39	808.54
SG-1	806.47	806.35	806.76	807.00	806.95	806.60	806.24	806.37	806.43	806.70	806.17	806.12	806.80	806.57	806.20	807.23	806.60	806.26	805.35	806.11
SG-2	807.65	807.71	808.50	809.00	808.97	808.90	808.77	808.07	808.82	808.98	808.82	809.38	806.41	809.26	809.18	809.96	809.40	808.64	811.51	808.37
SG-3R	807.71	806.73	--	807.03	807.99	806.83	806.57	806.68	806.71	NM	809.56	NM	NM	NM	809.56	808.66	NM	NM	NM	NM

NOTES:
AB - Abandoned
NM - Not Measured

SAMPLE KEY SUMMARY OF GROUNDWATER SAMPLING EVENT
QUARTERLY GSI MONITORING SEPTEMBER 2012
CORK STREET LANDFILL SITE
KALAMAZOO, MI

Sample ID	*Matrix*	*Location*	*QA/QC*	*Analysis*	*Sample Date*
GW-52222-092412-JV-705	water	W-5-05	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/24/2012
GW-52222-092412-JV-706	water	MW-C-05	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/24/2012
GW-52222-092412-JV-707	water	MW-3WS	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/24/2012
GW-52222-092412-JV-708	water	MW-1WS	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/24/2012
GW-52222-092412-JV-709	water	MW-E-05	MS/MSD	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/24/2012
GW-52222-092412-JV-710	water	--	Trip Blank	TCL VOCs	9/24/2012
GW-52222-092512-JV-711	water	MW-2WS	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/25/2012
GW-52222-092512-JV-712	water	MW-4S	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/25/2012
GW-52222-092512-JV-713	water	M-1	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/25/2012
GW-52222-092512-JV-714	water	W-3	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/25/2012
GW-52222-092512-JV-715	water	MW-GR	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/25/2012
SW-52222-092512-JV-716	water	MW-GR	Field Duplicate	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	9/25/2012
TB-52222-092512-JV-717	water	--	Trip Blank	TCL VOCs	9/25/2012
SW-52222-092612-JV-718	water	SG-1	--	Hardness, Total Suspended Solids	9/26/2012
SW-52222-092612-JV-719	water	SG-1	Field Duplicate	Hardness, Total Suspended Solids	9/26/2012
SW-52222-092612-JV-720	water	SG-2	--	Hardness, Total Suspended Solids	9/26/2012
SW-52222-092612-JV-721	water	SG-3	--	Hardness, Total Suspended Solids	9/26/2012
SW-52222-092612-JV-722	water	SW-4	--	Hardness, Total Suspended Solids	9/26/2012
SW-52222-092612-JV-723	water	SW-5	--	Hardness, Total Suspended Solids	9/26/2012

Notes:
TAL Target Analyte List
TCL Target Compound List
VOCs Volatile Organic Compounds
MS/MSD Matrix Spike/Matrix Spike Duplicate
[1] TAL Metals includes Calcium and Magnesium

SAMPLE KEY
SUMMARY OF GROUNDWATER SAMPLING EVENT
ANNUAL GSI MONITORING EVENT - DECEMBER 2012
CORK STREEK LANDFILL
KALAMAZOO, MICHIGAN

Sample ID	*Matrix*	*Location*	*QA/QC*	*Analysis*	*Sample Date*
TB-52222-121712-JY-724	water	--	Trip Blank	TCL VOCs	12/17/2012
GW-52222-121712-JY-725	water	W-5-05	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/17/2012
GW-52222-121712-JY-726	water	MW-GR	MS/MSD	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/17/2012
GW-52222-121712-JY-727	water	MW-C-05	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/17/2012
GW-52222-121712-JY-728	water	MW-3WS	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/17/2012
GW-52222-121712-JY-729	water	MW-1WS	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/17/2012
GW-52222-121712-JY-730	water	MW-E-05	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/17/2012
GW-52222-121712-JY-731	water	W-3-12	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/17/2012
GW-52222-121712-JY-732	water	W-3-12	Field Duplicate	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/17/2012
GW-52222-121712-JY-733	water	MW-2WS	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/17/2012
GW-52222-121812-JY-734	water	MW-4S	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/18/2012
GW-52222-121812-JY-735	water	MW-1-12	--	TAL metals, Cyanide, Phenols, BOD, Alkalinity, Chloride, Sulfate, COD, Ammonia, Total Phosphorus, TCL VOCs	12/18/2012
SW-52222-121812-JY-736	water	SW-4	--	Hardness, Total Suspended Solids	12/18/2012
SW-52222-121812-JY-737	water	SG-1	--	Hardness, Total Suspended Solids	12/18/2012
SW-52222-121812-JY-738	water	SG-3	--	Hardness, Total Suspended Solids	12/18/2012
SW-52222-121812-JY-739	water	SG-2	--	Hardness, Total Suspended Solids	12/18/2012
SW-52222-121812-JY-740	water	SW-5	--	Hardness, Total Suspended Solids	12/18/2012
SW-52222-121812-JY-741	water	SW-5	Field Duplicate	Hardness, Total Suspended Solids	12/18/2012
TB-52222-121812-JY-742	water	--	Trip Blank	TCL VOCs	12/18/2012

Notes:
TAL Target Analyte List
TCL Target Compound List
VOCs Volatile Organic Compounds
MS/MSD Matrix Spike/Matrix Spike Duplicate
[1] TAL Metals includes Calcium and Magnesium

TABLE 3.3A

SUMMARY OF SURFACE WATER SAMPLING RESULTS
QUARTERLY GSI MONITORING EVENT - SEPTEMBER 2012
CORK STREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Sample Location:		*SG-1*	*SG-1*	*SG-2*	*SG-3*	*SW-4*	*SW-5*
Sample ID:		*SW-52222-092612-JV-718*	*SW-52222-092612-JV-719*	*SW-52222-092612-JV-720*	*SW-52222-092612-JV-721*	*SW-52222-092612-JV-722*	*SW-52222-092612-JV-723*
Sample Date:		*9/26/2012*	*9/26/2012*	*9/26/2012*	*9/26/2012*	*9/26/2012*	*9/26/2012*
Sample Type:	-		*(Duplicate)*				
Parameters	*Units*						
TAL Inorganic							
Calcium	ug/L	91000	94000	89000	92000	92000	92000
Magnesium	ug/L	23000	23000	22000	23000	23000	23000
General Chemistry							
Total suspended solids (TSS)	mg/L	ND (4.0)	2.0 J	ND (4.0)	2.0 J	4.0	ND (4.0)
pH	s.u.	6.65	-	7.68	7.73	7.8	7.87
Temperature, field	Deg C	15.56	-	15.13	14.6	14.77	15.1
Hardness, carbonate	mg/L	370	350	370	380	370	350

Notes:

ND ( ) Not detected above the value in parenthesis.

J The associated value is qualified as an estimated quantity.

SUMMARY OF SURFACE WATER SAMPLING RESULTS
QUARTERLY GSI MONITORING EVENT - DECEMBER 2012
CORK STREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Sample Location:		*SG-1*	*SG-2*	*SG-3*	*SW-4*	*SW-5*	*SW-5*
Sample ID:		*SW-52222-121812-JY-737*	*SW-52222-121812-JY-739*	*SW-52222-121812-JY-738*	*SW-52222-121812-JY-736*	*SW-52222-121812-JY-740*	*SW-52222-121812-JY-741*
Sample Date:		*12/18/2012*	*12/18/2012*	*12/18/2012*	*12/18/2012*	*12/18/2012*	*12/18/2012*
Sample Type:							*(Duplicate)*
Parameters	*Units*						
TAL Inorganic							
Calcium	ug/L	86000	91000	93000	89000	96000	94000
Magnesium	ug/L	21000	22000	23000	22000	23000	23000
General Chemistry							
Total suspended solids (TSS)	mg/L	ND (4.0)	3.0 J	3.0 J	3.0 J	ND (4.0)	2.0 J
pH	s.u.	8.47	8.39	8.45	8.44	8.35	8.35
Temperature, field	Deg C	6.09	5.95	5.8	5.9	6.43	6.43
Hardness, carbonate	mg/L	350	350	370	320	380	360

Notes:

ND Not detected at the associated reporting limit.
U Not detected at the associated reporting limit.
J Estimated concentration.
NDJ Not detected; associated reporting limit is estimated.
R Rejected.

TABLE 3.4A

SUMMARY OF GROUNDWATER SAMPLING RESULTS
QUARTERLY GSI MONITORING EVENT - SEPTEMBER 2012
CORK ST. LANDFILL SITE
KALAMAZOO, MICHIGAN

Sample Location:			*M-1*	*MW-1WS*	*MW-2WS*	*MW-3WS*	*MW-4S*	*MW-C-05*	*MW-E-05*	*MW-GR*	*MW-GR*	*W-3*	*W-5-05*
Sample ID:			*GW-52222-092512-JV-713*	*GW-52222-092412-JV-708*	*GW-52222-092512-JV-711*	*GW-52222-092412-JV-707*	*GW-52222-092512-JV-712*	*GW-52222-092412-JV-706*	*GW-52222-092412-JV-709*	*GW-52222-092512-JV-715*	*GW-52222-092512-JV-716*	*GW-52222-092512-JV-714*	*GW-52222-092412-JV-705*
Sample Date:			*9/25/2012*	*9/24/2012*	*9/25/2012*	*9/24/2012*	*9/25/2012*	*9/24/2012*	*9/24/2012*	*9/25/2012*	*9/25/2012*	*9/25/2012*	*9/24/2012*
Sample Type:		*Site-Specific*									*(Duplicate)*		
Parameters	*Units*	*Criteria* (1)											
TAL Inorganic													
Aluminum	ug/L	NA	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Antimony	ug/L	2300	0.16 J	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	0.20 J	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	680	86	47	32	12	36	45	94	ND (5.0)	ND (5.0)	18	25
Barium	ug/L	8344	150	110	230	90 J	150	69 J	84 J	64 J	66 J	720	120
Beryllium	ug/L	758	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Cadmium	ug/L	62	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Calcium	ug/L	NA	170000	95000	140000	77000	190000	78000	83000	160000	160000	420000	110000
Chromium	ug/L	4081	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cobalt	ug/L	740	ND (7.0)	ND (7.0)	3.0 J	ND (7.0)	ND (7.0)	ND (7.0)	2.1 J	ND (7.0)	ND (7.0)	7.5	ND (7.0)
Copper	ug/L	111	ND (25)	ND (25)	ND (25)	ND (25) U	ND (25)	ND (25) U	ND (25)	0.65 J	1.2 J	0.38 J	ND (25)
Iron	ug/L	NA	11000	10000	9800	1600	15000	1300	11000	86 J	89 J	17000	1500
Lead	ug/L	9965(2)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Magnesium	ug/L	NA	53000	34000	54000	23000	60000	23000	33000	26000	27000	85000	30000
Manganese	ug/L	NA	350	390	52	95	68	110	140	ND (15) U	ND (15) U	2200	470
Mercury	ug/L	2.8	ND (0.20)	ND (0.20) UJ	ND (0.20)	ND (0.20) UJ	ND (0.20)	ND (0.20) UJ	ND (0.20) UJ	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20) UJ
Nickel	ug/L	794	8.3 J	ND (20)	3.2 J	ND (20)	ND (20)	ND (20)	4.6 J	ND (20)	ND (20)	8.0 J	ND (20)
Potassium	ug/L	NA	28000	11000	2400	840 J	2100	1300	17000	1300	1400	13000	2800
Selenium	ug/L	120	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	5.9	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	1.1	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Sodium	ug/L	NA	130000	42000	56000	6800	68000	17000	39000	18000	19000	1200000	30000
Thallium	ug/L	160	0.17 J	ND (2.0)	0.27 J	ND (2.0)	0.20 J	ND (2.0)	0.49 J	ND (2.0)	ND (2.0)	0.14 J	ND (2.0)
Vanadium	ug/L	220	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0) U	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Zinc	ug/L	1314	1200	ND (10)	4.2 J	ND (10) U	ND (10)	ND (10) U	ND (10) U	3.3 J	8.5 J	620	ND (10)
General Chemistry													
Alkalinity, total (as CaCO3)	mg/L	NA	840	360	360	270	440	270	410	420	420	650	330
Biochemical oxygen demand (BOD)	mg/L	NA	ND (2.0) UJ	7.9	ND (2.0)	ND (2.0)	ND (2.0) UJ	ND (2.0)	10	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Chemical oxygen demand (COD)	mg/L	NA	140	24	49	ND (20)	57	ND (20)	39	ND (20)	ND (20)	86	ND (20)
Chloride	mg/L	NA	250	130	250	11	230	14	120	76	76	2400	55
Cyanide (total)	mg/L	44	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Ammonia	mg/L	NA	81	18	3.0	0.27	0.69	0.28	29	0.076 J	0.075 J	1.6	0.22
Un-ionized ammonia	mg/L	0.42	0.1619	0.0685	0.0150	0.0027	0.0025	0.0032	0.0990	0.0001	-	0.0020	0.0022
Phenolics (total)	mg/L	NA	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	0.017 J	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
Phosphorus	mg/L	NA	0.21	0.24	0.12	0.084 J	0.077 J	0.039 J	0.59	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Sulfate	mg/L	NA	2.6	2.3	ND (1.0)	8.0	0.92 J	2.9	ND (1.0)	12	13	140	31
pH	s.u.	NA	6.88	7.09	7.22	7.49	7.09	7.62	7.04	6.76	-	6.63	7.6
Temperature, field	Deg C	NA	14.57	16.71	16.34	17.58	16.09	15.28	16.8	15.91	-	16.2	13.98
VOCs													
1,1,1-Trichloroethane	ug/L	3600	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1800	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5600	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	13000	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	2300	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	15000	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	6500	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichlorobenzene	ug/L	280	ND (25)	0.14 J	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	0.21 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,3-Dichlorobenzene	ug/L	420	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,4-Dichlorobenzene	ug/L	200	ND (25)	1.5	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	2.8	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	NA	ND (250)	ND (10)	ND (20)	ND (10)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	NA	ND (250)	ND (10)	ND (20)	ND (10)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	ID	ND (250)	ND (10)	ND (20)	ND (10)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acetone	ug/L	30000	ND (250)	ND (10)	ND (20)	ND (10)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	1800	600	0.18 J	17	ND (1.0)	0.40 J	ND (1.0)	0.29 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	ug/L	ID	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ID	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane (Methyl bromide)	ug/L	640	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	ID	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon tetrachloride	ug/L	2700	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	850	180	2.6	3.3	ND (1.0)	ND (2.0)	ND (1.0)	2.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ID	ND (25)	0.38 J	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	2600	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl chloride)	ug/L	ID	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	11000	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	NA	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ID	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	320	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	17000	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

TABLE 3.4A

SUMMARY OF GROUNDWATER SAMPLING RESULTS
QUARTERLY GSI MONITORING EVENT - SEPTEMBER 2012
CORK ST. LANDFILL SITE
KALAMAZOO, MICHIGAN

Sample Location:			*M-1*	*MW-1WS*	*MW-2WS*	*MW-3WS*	*MW-4S*	*MW-C-05*	*MW-E-05*	*MW-GR*	*MW-GR*	*W-3*	*W-5-05*
Sample ID:			*GW-52222-092512-JV-713*	*GW-52222-092412-JV-708*	*GW-52222-092512-JV-711*	*GW-52222-092412-JV-707*	*GW-52222-092512-JV-712*	*GW-52222-092412-JV-706*	*GW-52222-092412-JV-709*	*GW-52222-092512-JV-715*	*GW-52222-092512-JV-716*	*GW-52222-092512-JV-714*	*GW-52222-092412-JV-705*
Sample Date:			*9/25/2012*	*9/24/2012*	*9/25/2012*	*9/24/2012*	*9/25/2012*	*9/24/2012*	*9/24/2012*	*9/25/2012*	*9/25/2012*	*9/25/2012*	*9/24/2012*
Sample Type:											*(Duplicate)*		
Parameters	*Units*	*Site-Specific Criteria* (1)											
Styrene	ug/L	2900	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	710	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	1700	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	0.31 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	ug/L	280000	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	NA	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	3500	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	17000	ND (25)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylenes (total)	ug/L	630	16 J	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Notes:

(1) The Final Acute Value (FAV) are used as the Site-Specific criteria because the calculated Site-Specific GSI Mixing Zone based criteria for the Site are greater than the FAV

(2) FAV to be determined in consultation with MDEQ.

ND ( ) Not detected above the value in parenthesis.

J The associated value is qualified as an estimated quantity.

TABLE 3.4B

SUMMARY OF GROUNDWATER SAMPLING RESULTS
QUARTERLY GSI MONITORING EVENT - DECEMBER 2012
CORK STREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Sample Location:			*M-1-12*	*MW-1WS*	*MW-2WS*	*W-3-12*	*W-3-12*	*MW-3WS*	*MW-4S*	*MW-C-05*	*MW-E-05*	*MW-GR*	*W-5-05*
Sample ID:			*GW-52222-121812-JY-735*	*GW-52222-121712-JY-729*	*GW-52222-121712-JY-733*	*GW-52222-121712-JY-731*	*GW-52222-121712-JY-732*	*GW-52222-121712-JY-728*	*GW-52222-121812-JY-734*	*GW-52222-121712-JY-727*	*GW-52222-121712-JY-730*	*GW-52222-121712-JY-726*	*GW-52222-121712-JY-725*
Sample Date:			*12/18/2012*	*12/17/2012*	*12/17/2012*	*12/17/2012*	*12/17/2012*	*12/17/2012*	*12/18/2012*	*12/17/2012*	*12/17/2012*	*12/17/2012*	*12/17/2012*
Sample Type:		*Site-Specific*					*(Duplicate)*						
Parameters	*Units*	*Criteria* (1)											
TAL Inorganic													
Aluminum	ug/L	NA	5.2 J	ND (50)	ND (50)	57	24 J	ND (50)	5.3 J	ND (50)	ND (50)	ND (50)	ND (50)
Antimony	ug/L	2300	0.16 J	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	0.043 J	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Arsenic	ug/L	680	6.8	36	21	7.2	4.4 J	13	26	34	130	ND (5.0)	19
Barium	ug/L	8344	190	100	210	190	170	91 J	130	61 J	100	54 J	130
Beryllium	ug/L	758	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Cadmium	ug/L	62	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Calcium	ug/L	NA	170000	100000	150000	170000	170000	77000	180000	69000	83000	140000	100000
Chromium	ug/L	4081	2.7 J	ND (5.0)	ND (5.0)	8.8	3.9 J	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cobalt	ug/L	740	4.7 J	ND (7.0)	3.2 J	2.5 J	2.4 J	ND (7.0)	ND (7.0)	ND (7.0)	2.8 J	ND (7.0)	ND (7.0)
Copper	ug/L	111	1.7 J	ND (25)	ND (25)	ND (25) U	ND (25) U	ND (25)	0.84 J	ND (25) U	ND (25) U	ND (25) U	ND (25)
Iron	ug/L	NA	660	7500	13000	5200 J	2800 J	1600	15000	750	14000	ND (100)	1400
Lead	ug/L	9965(2)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Magnesium	ug/L	NA	86000	36000	52000	56000	55000	23000	58000	20000	35000	24000	28000
Manganese	ug/L	NA	1000	470	720	250	260	93	65	110	150	ND (15) U	480
Mercury	ug/L	2.8	ND (0.20)	ND (0.20) U	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20) U	ND (0.20)
Nickel	ug/L	794	15 J	ND (20)	ND (20)	7.8 J	7.0 J	ND (20)	4.4 J	ND (20)	ND (20)	ND (20)	ND (20)
Potassium	ug/L	NA	50000	8400	4100	3800	3800	840 J	2000	1100	22000	1400	2900
Selenium	ug/L	120	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Silver	ug/L	1.1	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Sodium	ug/L	NA	150000	36000	46000	55000	54000	6300	63000	14000	46000	21000	32000
Thallium	ug/L	160	0.050 J	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	0.028 J	ND (2.0) U	ND (2.0)	ND (2.0) U	ND (2.0) U
Vanadium	ug/L	220	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Zinc	ug/L	1314	4.7 J	ND (10)	ND (10) U	ND (10) U	ND (10)	ND (10)	1.5 J	ND (10)	ND (10) U	ND (10)	ND (10) U
General Chemistry													
Alkalinity, total (as CaCO3)	mg/L	NA	970	400	380	580	570	270	450	280	480	390	320
Biochemical oxygen demand (BOD)	mg/L	NA	4.8	9.6	7.4	ND (2.0)	ND (2.0)	ND (2.0)	30	ND (2.0)	7.2	ND (2.0)	ND (2.0)
Chemical oxygen demand (COD)	mg/L	NA	120	21	54	26	18 J	ND (20)	67	ND (20)	54	ND (20)	ND (20)
Chloride	mg/L	NA	200	100	230	100	100	12	300	14	99	68	55
Cyanide (total)	mg/L	44	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Ammonia	mg/L	NA	49	11	3.0	0.61	0.57	ND (0.20) U	0.56	ND (0.24) U	35	ND (0.20) U	ND (0.28) U
Un-ionized ammonia	mg/L	0.42	0.0760	0.0385	0.0101	0.0007	0.0006	ND (0.20)	0.0025	ND (0.24)	0.0951	ND (0.20)	ND (0.28)
Phenolics (total)	mg/L	NA	0.0075 J	0.016 J	ND (0.040)	0.018 J	ND (0.040)	0.056	ND (0.040)	0.0075 J	33	0.0075 J	0.016 J
Phosphorus	mg/L	NA	ND (0.10)	0.15	0.15	ND (0.10)	ND (0.10)	0.048 J	0.072 J	ND (0.10)	0.53	ND (0.10)	ND (0.10)
Sulfate	mg/L	NA	29	2.5	16	63	73	12	0.28 J	6.8	ND (1.0)	12	32
pH	s.u.	NA	6.89	7.22	7.17	6.79	6.79	7.71	7.35	7.73	7.1	7.4	7.37
Temperature, field	Deg C	NA	10.96	11.67	12.64	9.5	9.5	11.51	10.81	12.49	11.98	10.53	12.44
VOCs													
1,1,1-Trichloroethane	ug/L	3600	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/L	1800	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	ug/L	5600	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	ug/L	13000	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	ug/L	2300	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	ug/L	15000	2.0 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	ug/L	6500	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichlorobenzene	ug/L	280	0.83 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	0.16 J	ND (1.0)	ND (1.0)
1,3-Dichlorobenzene	ug/L	420	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,4-Dichlorobenzene	ug/L	200	2.0 J	0.74 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	2.3	ND (1.0)	ND (1.0)
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	NA	ND (40)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (17)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	ug/L	NA	ND (40)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (17)	ND (10)	ND (10)	ND (10)	ND (10)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	ID	ND (40)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (17)	ND (10)	ND (10)	ND (10)	ND (10)
Acetone	ug/L	30000	ND (40)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (17)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/L	1800	83	ND (1.0) U	8.4	ND (1.0) U	ND (1.0) U	ND (1.1) U	ND (1.7) U	ND (1.4) U	ND (1.2) U	ND (1.0) U	ND (1.5) U
Bromodichloromethane	ug/L	ID	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	ug/L	ID	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane (Methyl bromide)	ug/L	640	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon disulfide	ug/L	ID	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon tetrachloride	ug/L	2700	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	ug/L	850	110	1.0	2.3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	2.9	ND (1.0)	ND (1.0)
Chloroethane	ug/L	ID	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform (Trichloromethane)	ug/L	2600	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane (Methyl chloride)	ug/L	ID	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	ug/L	11000	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	ug/L	NA	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	ug/L	ID	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Ethylbenzene	ug/L	320	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene chloride	ug/L	17000	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ug/L	2900	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	ug/L	710	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	ug/L	1700	ND (4.0)	ND (1.0) U	ND (1.0) U	ND (1.0) U	ND (1.0) U	ND (1.2) U	ND (1.7)	ND (1.3) U	ND (1.0) U	ND (1.0) U	ND (1.2) U
trans-1,2-Dichloroethene	ug/L	280000	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	ug/L	NA	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	ug/L	3500	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl chloride	ug/L	17000	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylenes (total)	ug/L	630	ND (4.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.7)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

Notes:

(1) The Final Acute Value (FAV) are used as the Site-Specific criteria because the calculated Site-Specific GSI Mixing Zone based criteria for the Site are greater than the FAV

(2) FAV to be determined in consultation with MDEQ.

ND ( ) Not detected above the value in parenthesis.

J The associated value is qualified as an estimated quantity.

TABLE 4.1

LANDFILL GAS QUALITY MONITORING - GAS PROBES
SEPTEMBER AND DECEMBER 2012
CORKSTREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Location	Date	Pressure (inches of W/C)	Methane (% by Volume)	Carbon Dioxide (% by Volume)	Oxygen (% by Volume)
GP-1	11/17/05	0.00	0.0	0.0	21.0[1]
	12/6/05	NC	9.2	9.9	0.5
	4/5/06	0.01	0.0	0.0	20.07(1)
	6/28/06	0.00	0.0	0.2	20.1(1)
	7/26/06	3.04	0.0	0.0	20.2(1)
	9/27/06	0.01	0.0	0.0	20.0(1)
	12/18/06	0.01	0.0	0.0	20.4(1)
	3/27/07	0.01	0.3	0.4	19.1
	6/27/07	0.01	0.1	0.0	20.1(1)
	9/27/07	-0.02	0.0	0.0	20.3(1)
	12/27/07	0.01	0.0	0.0	19.0
	5/7/08	0.00	0.0	0.0	19.9(1)
	6/26/08	0.02	0.0	0.0	19.5(1)
	9/24/08	0.00	0.0	0.0	20.5(1)
	12/15/08	0.02	0.0	0.1	21.1(1)
	3/23/09	0.12	0.2	0.1	20.5
	6/22/09	0.02	0.5	0.0	13.9
	9/23/09	0.06	1.3	0.5	15.1
	12/17/09	NC	0.0	0.5	20.9(1)
	3/31/10	0.08	0.2	0.0	19.8(2)
	6/18/10	-0.12	0.0	0.0	19.4(2)
	9/15/10	-0.07	0.6	0.6	14.4 (1)
	12/20/10	-0.01	0.0	0.1	18.1 (1)
	3/23/11	0.04	0.6	0.1	20.6 (1)
	6/15/11	-0.03	0.0	0.0	21.1 (1)
	9/15/11	0.01	0.0	0.0	20.9(1)
	12/14/11	-0.06	0.0	0.0	20.2(1)
	3/27/12	0.13	NC	NC	NC
	6/13/12	0.20	0.2	1.1	18.5
	9/25/12	0.31	0.8	2.0	17.6
	12/16/12	0.15	1.4	1.0	15.7
GP-2	11/17/05	0.09	31.3	5.0	1.0
	12/6/05	NC	32.3	6.1	1.7
	4/5/06	-0.02	7.3	2.2	13.6
	6/28/06	-0.01	12.7	4.6	10.9
	7/26/06	0.12	52.1	2.7	0.0
	9/27/06	0.02	57.4	2.5	0.0
	12/18/06	-0.14	3.9	0.9	17.8
	3/27/07	0.04	0.4	0.0	19.5
	6/27/07	0.10	47.7	1.8	0.0
	9/27/07	0.07	53.7	2.1	0.0
	12/27/07	-0.02	58.6	2.5	2.0
	5/7/08	0.10	25.4	2.1	1.4
	6/26/08	0.02	27.2	1.3	2.6

TABLE 4.1

LANDFILL GAS QUALITY MONITORING - GAS PROBES
SEPTEMBER AND DECEMBER 2012
CORKSTREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Location	Date	Pressure (inches of W/C)	Methane (% by Volume)	Carbon Dioxide (% by Volume)	Oxygen (% by Volume)
	9/24/08	-0.10	46.3	4.7	2.7
	12/15/08	-0.07	0.0	1.0	19.6
	3/23/09	-0.04	0.0	0.2	18.6
	6/22/09	0.04	41.3	1.5	0.0
	9/23/09	0.02	0.6	4.3	14.8
	12/17/09	NC	8.7	3.0	8.9
	3/31/10	0.01	2.4	2.8	8.7
	6/18/10	-0.48	0.3	4.2	8.9
	9/15/10	-0.01	19	5.4	4.7
	12/20/10	-0.03	1.6	3.3	14.7
	3/23/11	0.01	0.1	1.6	15.2
	6/15/11	-0.02	0.1	4.3	16.7
	9/15/11	-0.02	2.1	6.0	12.6
	12/14/11	-0.55	0.8	2.4	4.0
	3/27/12	0.22	2.6	2.2	13.4
	6/13/12	0.00	1.2	2.6	16.1
	9/25/12	0.06	44.3	2.4	5.2
	12/16/12	0.00	47.1	3.8	0.0
GP-3	11/17/05	0.00	0.0	0.0	21.0[1]
	12/6/05	NC	24.3	3.1	0.01
	4/5/06	-0.01	29.3	1.6	0.0
	6/28/06	0.04	39.9	1.4	0.1
	7/26/06	0.04	43.2	1.6	0.1
	9/27/06	0.04	59.1	2.3	0.0
	12/18/06	0.01	43.4	1.9	0.3
	3/27/07	0.09	48.7	0.6	1.9
	6/27/07	0.09	53.1	1.0	0.0
	9/27/07	0.07	57.7	1.9	0.0
	12/27/07	0.00	58.3	1.7	0.0
	5/7/08	0.06	43.6	1.3	0.0
	6/26/08	0.05	42.5	1.0	0.0
	9/24/08	0.05	58.1	1.6	0.0
	12/15/08	-0.04	35.1	1.6	5.0
	3/23/09	0.14	53.8	1.1	0.0
	6/22/09	0.05	65.4	0.8	0.0
	9/23/09	0.02	57.3	1.6	0.0
	12/17/09	NC	74.8	1.5	0.0
	3/31/10	-0.15	56.1	0.8	0.0
	6/18/10	-0.16	50.5	1.4	0.0
	9/15/10	-0.12	65.0	1.5	0.0
	12/20/10	-0.05	54.6	1.6	0.0
	3/23/11	0.08	62.3	0.9	0.0
	6/15/11	-0.07	39.5	1.4	0.2
	9/15/11	-0.04	45.0	1.7	0.0
	12/14/11	-0.22	64.0	1.2	0.0
	3/27/12	0.07	51.0	1.2	0.0
	6/13/12	0.00	52.3	1.7	0.2
	9/25/12	0.00	11.7	4.9	0.9
	12/16/12	0.00	26.3	3.6	0.0

TABLE 4.1

LANDFILL GAS QUALITY MONITORING - GAS PROBES
SEPTEMBER AND DECEMBER 2012
CORKSTREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Location	Date	Pressure (inches of W/C)	Methane (% by Volume)	Carbon Dioxide (% by Volume)	Oxygen (% by Volume)
GP-4	11/17/05	0.03	27.0	12.6	0.2
	12/6/05	NC	20.1	10.1	0.72
	4/5/06	0.02	20.1	5.9	1.0
	6/28/06	0.03	0.0	0.0	20.1
	7/26/06	1.05	20.1	3.9	7.1
	9/27/06	0.01	53.2	20.0	0.0
	12/18/06	0.08	35.9	6.5	1.8
	3/27/07	0.02	0.3	0.0	19.5
	6/27/07	0.03	0.0	0.0	19.1
	9/27/07	0.00	2.1	8.6	0.0
	12/27/07	0.01	0.0	0.0	20.7
	5/7/08	0.02	0.0	0.0	19.9
	6/26/08	0.03	7.8	7.8	0.0
	9/24/08	0.00	0.0	0.8	20.0
	12/15/08	NC	NC	NC	NC
	3/23/09	0.96	0.8	0.1	20.4
	6/22/09	0.02	10.9	3.4	0.1
	9/23/09	-0.04	36.3	4.6	0.0
	12/17/09	NC	0.0	0.1	21.4
	3/31/10	-0.32	1.8	1.2	15.7
	6/18/10	-0.27	1.2	3.8	9.3
	9/15/10	-0.02	31.3	9.8	0.1
	12/20/10	-0.01	38.2	7.3	0.0
	3/23/11	0.62	16.9	3.4	4.6
	6/15/11	-9.60	0.1	2.6	18.3
	9/15/11	-0.03	37.0	8.4	0.0
	12/14/11	-0.67	3.8	0.6	18.8
	3/27/12	0.54	NC	NC	NC
	6/13/12	0.02	17.2	5.1	0.0
	9/25/12	0.00	27.8	9.8	0.0
	12/16/12	0.00	31.8	6.8	0.0
GP-5	11/17/05	0.00	0.3	4.6	15.9
	12/6/05	NC	NC	NC	NC
	4/5/06	0.04	6.3	14.5	0.0
	6/28/06	0.00	7.3	16.1	0.9
	7/26/06	1.37	8.3	20.6	0.4
	9/27/06	0.01	8.2	20.9	0.2
	12/18/06	0.02	11.9	18.8	0.0
	3/27/07	0.01	0.2	0.0	19.4
	6/27/07	0.01	9.0	17.7	0.4
	9/27/07	0.00	10.1	20.6	0.0
	12/27/07	-0.01	10.7	18.3	0.0
	5/7/08	-0.00	6.5	16.6	0.0
	6/26/08	0.01	5.2	16.7	0.0
	9/24/08	0.00	7.2	19.0	0.0
	12/15/08	-0.01	5.4	20.2	0.0
	3/23/09	0.00	5.7	13.5	0.0
	6/22/09	0.00	7.1	16.8	0.0
	9/23/09	0.02	8.6	18.9	0.0
	12/17/09	NC	5.4	16.5	5.1

TABLE 4.1

LANDFILL GAS QUALITY MONITORING - GAS PROBES
SEPTEMBER AND DECEMBER 2012
CORKSTREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Location	Date	Pressure (inches of W/C)	Methane (% by Volume)	Carbon Dioxide (% by Volume)	Oxygen (% by Volume)
	03/31/10	0.05	7.8	16.5	0.0
	06/18/10	-0.03	9.3	17.5	0.0
	09/15/10	-0.02	5.7	14.6	3.7
	12/20/10	-0.01	2.3	17.1	0.4
	03/23/11	-0.01	3.1	15.3	00.0
	06/15/11	0.02	6.6	17.2	0.3
	9/15/11	-0.04	8.0	0.4	20.8(1)
	12/14/11	0.02	11.5	16.6	0.0
	3/27/12	0.02	9.4	17.4	0
	6/13/12	0.00	6.7	17.3	1.1
	9/25/12	0.00	6.7	22.1	0.9
	12/16/12	0.00	8.2	19.4	0.0
GP-6	11/17/05	0.01	0.0	4.6	16.4
	12/6/06	NC	0.0	3.8	18.0
	4/5/06	0.02	0.0	2.7	16.2
	6/28/06	0.02	0.0	5.6	13.2
	7/26/06	0.82	0.0	4.0	14.0
	9/27/06	0.01	0.0	6.6	11.2
	12/18/06	0.01	0.0	4.0	15.6
	3/27/07	0.01	0.4	0.2	17.6
	6/27/07	0.03	0.0	4.9	14.4
	9/27/07	0.01	0.1	5.9	13.4
	12/27/07	0.01	0.0	3.7	15.8
	5/7/08	0.03	0.0	3.4	13.7
	6/26/08	0.01	0.0	12.1	4.1
	9/24/08	0.02	0.0	4.1	14.3
	12/15/08	0.03	0.0	3.7	18.2
	3/23/09	0.01	0.0	2.2	16.6
	6/22/09	-0.01	0.0	4.0	13.4
	9/23/09	0.01	0.1	5.1	15.0
	12/17/09	NC	0.0	4.1	17.8
	3/31/10	0.03	0.2	3.4	14.3
	6/18/10	0.00	0.0	4.8	11.2
	9/15/10	0.00	0.0	5.5	13.4
	12/20/10	-0.02	0.0	3.7	18.2
	3/23/11	0.00	0.0	2.2	15.1
	6/15/11	-0.02	0.1	4.6	12.2
	9/15/11	-0.01	0.2	8.9	13.8
	12/14/11	0.0	0.0	4.4	16.7
	3/27/12	0.02	0.0	3.4	11.1
	6/13/12	0.01	0.0	4.5	16.5
	9/25/12	0.00	0.2	6.0	13.1
	12/16/12	0.00	0.0	5.0	14.2
GP-7	11/17/05	0.0	0.0	0.8	20.3
	12/6/05	NC	0.1	0.6	19.0
	4/5/06	0.00	0.0	2.0	18.4
	6/28/06	0.05	0.0	10.8	7.8
	7/26/06	1.16	0.0	12.5	7.0
	9/27/06	0.02	0.0	16.2	3.2

TABLE 4.1

LANDFILL GAS QUALITY MONITORING - GAS PROBES
SEPTEMBER AND DECEMBER 2012
CORKSTREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Location	Date	Pressure (inches of W/C)	Methane (% by Volume)	Carbon Dioxide (% by Volume)	Oxygen (% by Volume)
	12/18/06	0.01	0.0	5.0	15.1
	3/27/07	0.01	0.9	0.0	18.4
	6/27/07	0.01	0.1	8.6	10.6
	9/27/07	0.00	0.1	13.9	06.7
	12/27/07	0.01	0.0	2.8	17.3
	5/7/08	-0.04	0.0	4.9	13.6
	6/26/08	0.02	0.0	9.2	7.8
	9/24/08	-0.00	0.0	15.5	1.6
	12/15/08	-0.01	0.0	3.6	18.2
	3/23/09	0.05	0.0	1.7	19.0
	6/22/09	0.00	0.0	9.2	12.4
	9/23/09	0.01	0.1	8.6	11.4
	12/17/09	NC	0.0	0.5	20.9
	3/31/10	0.04	0.2	3.4	15.4
	6/18/10	0.00	0.0	9.1	8.9
	9/15/10	0.00	0.0	10.9	8.4
	12/20/10	-0.01	0.0	2.5	19.3
	3/23/11	0.01	0.0	2.8	17.5
	6/15/11	0.00	0.1	7.6	10.9
	9/15/11	-0.02	0.2	15.0	6.2
	12/14/11	-0.01	0.0	3.2	16.8
	3/27/12	0.03	0.0	3.0	17.6
	6/13/12	0.00	0.0	7.5	13.5
	9/25/12	0.00	0.2	13.5	6.8
	12/16/12	0.00	0.0	5.5	13.8
GP-8	11/17/05	0.07	31.1	6.2	0.2
	12/6/05	NC	29.9	9.2	0.4
	4/5/06	0.00	15.2	5.8	0.0
	6/28/06	0.01	20.4	0.90	0.0
	7/26/06	3.06	25.5	4.4	0.0
	9/27/06	0.02	31.0	9.6	0.0
	12/18/06	0.02	26.5	6.2	0.0
	3/27/07	0.02	19.1	1.5	1.2
	6/27/07	0.01	21.4	4.9	0.0
	9/27/07	0.01	30.6	6.1	0.0
	12/27/07	0.02	24.7	4.1	0.0
	5/7/08	0.03	19.4	4.8	0.0
	6/26/08	0.02	17.1	6.5	0.0
	9/24/08	0.02	25.5	7.3	0.0
	12/15/08	0.04	21.9	5.8	0.0
	3/23/09	0.03	15.5	3.9	0.2
	6/22/09	0.00	19.9	5.2	0.0
	9/23/09	0.01	25.2	5.8	0.0
	12/17/09	NC	17.1	5.6	2.0
	03/31/10	0.02	12.9	4.2	0.0
	06/18/10	-0.07	16.0	5.3	0.0
	09/15/10	-0.02	22.5	6.8	0.0
	12/20/10	0.00	15.9	4.9	0.0
	03/23/11	0.03	8.9	3.6	0.0
	06/15/11	0.00	12.2	5.8	0.2

TABLE 4.1

LANDFILL GAS QUALITY MONITORING - GAS PROBES
SEPTEMBER AND DECEMBER 2012
CORKSTREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Location	Date	Pressure (inches of W/C)	Methane (% by Volume)	Carbon Dioxide (% by Volume)	Oxygen (% by Volume)
	9/15/11	-0.02	22.1	7.7	0.0
	12/14/11	-0.02	18.3	3.7	0.0
	3/27/12	0.03	12.7	3.8	0.0
	6/13/12	0.00	13.6	4.4	0.1
	9/25/12	0.00	16.7	17.7	0.4
	12/16/12	0.00	12.0	6.3	0.0
GP-9	10/4/12	NC	NC	NC	NC
	12/16/12	0.00	0.0	0.0	20.9
GP-10	10/4/12	0.00	0.1	8.7	8.9
	12/16/12	0.00	0.0	6.7	8.1
GP-11	10/4/12	0.00	0.1	6.2	12.8
	12/16/12	0.00	0.0	6.1	15.3
GP-12	10/4/12	0.00	0.1	1.3	18.4
	12/16/12	0.00	0.0	0.3	20.6
GP-13	10/4/12	0.01	0.1	1.5	18.7
	12/16/12	0.00	0.0	0.8	20.3
GP-14	10/4/12	0.00	0.2	9.1	9.9
	12/16/12	0.00	0.0	0.1	20.9
GP-15	10/4/12	0.00	0.1	3.0	17.8
	12/16/12	0.00	0.0	2.3	19.3
GP-16	10/4/12	0.10	0.3	13.0	3.1
		0.00	0.0	7.6	5.7
GP-17	10/4/12	0.00	6.2	22.4	0.0
	12/16/12	0.00	7.9	21.3	0.0
GP-18	10/4/12	0.10	3.6	16.7	3.5
	12/16/12	0.00	1.9	14.2	2.1
GP-19	10/4/12	0.00	1.7	16.3	0.1
	12/16/12	0.00	0.6	15.7	0.0
GP-20	10/4/12	0.10	2.2	15.8	1.5
	12/16/12	0.00	1.9	15.6	0.0
GP-21	10/4/12	0.10	0.2	0.0	19.7
	12/16/12	0.00	0.0	0.1	20.8
GP-22	10/4/12	0.00	0.2	0.5	19.0
	12/16/12	0.00	0.0	0.1	21.0

TABLE 4.1

LANDFILL GAS QUALITY MONITORING - GAS PROBES
SEPTEMBER AND DECEMBER 2012
CORKSTREET LANDFILL SITE
KALAMAZOO, MICHIGAN

Location	Date	Pressure (inches of W/C)	Methane (% by Volume)	Carbon Dioxide (% by Volume)	Oxygen (% by Volume)
Barhole 1	9/28/12	NC	0.1	2.9	16.6
Barhole 2	9/28/12	NC	0.2	0.0	20.2

W/C = Water Column
NC = Not Collected
(1) = High oxygen and low carbon dioxide indicates potential short circuiting in probe.
(2) = Water in bottom of probe.

TABLE 4.2

LANDFILL GAS MONITORING - VARIOUS LOCATIONS ON AND OFF SITE
SEPTEMBER 2012
CORK STREET LANDFILL
KALAMAZOO, MICHIGAN

Location	Date	Pressure (inches of W/C)	Methane (% by Volume)	Carbon Dioxide (% by Volume)	Oxygen (% by Volume)
Sanitary Sewer Manhole #3 (MH-3)	4/10/06	NC	0.0	0.3	20.5
	7/26/06	NC	0.0	0.0	20.2
	9/27/06	NC	0.0	0.0	19.9
	12/15/06	NC	0.0	0.3	19.9
	3/27/07	NC	0.0	0.0	20.2
	6/27/07	NC	0.0	0.0	19.9
	9/27/07	NC	0.0	0.0	20.2
	12/27/07	NC	0.0	0.1	19.7
	5/7/08	NC	9.7	2.4	4.4
	6/26/08	NC	0.0	0.0	19.8
	9/24/08	NC	0.0	0.1	20.4
	12/15/08	NC	0.0	0.6	20.5
	6/22/09	NC	0.01	0.0	20.5
	9/23/09	NC	0.1	0.0	20.7
	12/17/09	NC	0.0	1.7	20.9
	3/31/10	NC	0.0	0.0	20.1
	6/18/10	NC	0.0	0.0	19.6
	9/15/10	NC	0.0	0.9	19.2
	12/20/10	NC	0.0	0.3	20.9
	3/23/11	NC	0.3	0.1	20.2
	6/15/11	NC	0.1	0.3	20.6
	9/15/11	NC	0.0	0.4	20.6
	12/14/11	NC	0.4	0.9	20.0
	3/27/12	NC	0.0	0.6	21.6
	6/13/12	NC	0.1	0.1	20.9
	9/25/12	NC	0.2	0.0	19.9
	12/17/12	NC	0.0	1.5	20.5
MH-G#1	4/10/06	NC	0.0	0.0	20.8
	7/26/06	NC	29.2	6.1	5.8
	9/27/06	NC	18.9	4.0	11.6
	12/18/06	NC	1.1	0.3	19.2
	3/27/07	NC	0.0	0.1	19.5
	6/27/07	NC	5.3	1.1	15.8
	9/27/07	NC	35.0	7.2	3.0
	12/27/07	NC	13.1	4.3	5.5
	5/7/08	NC	1.5	0.4	17.5
	6/26/08	NC	13.5	3.6	8.6
	9/24/08	NC	4.8	0.1	18.2
	6/22/09	NC	0.3	0.0	19.5
	9/23/09	NC	2.7	0.4	19.7
	12/17/09	NC	1.1	1.3	19.2
	3/31/10	NC	0.8	0.3	18.6
	6/18/10	NC	0.1	0.0	19.5
	9/15/10	NC	2.4	1.5	18.3
	12/20/10	NC	4.5	1.9	19.7
	3/23/11	NC	5.8	1.5	14.0
	6/15/11	NC	11.9	1.8	14.5
	9/15/11	NC	3.3	1.4	18.6
	12/14/11	NC	20.1	2.7	9.7
	3/27/12	NC	3.9	1.2	16.4
	6/13/12	NC	0.4	0.5	20.6
	9/25/12	NC	0.4	0.5	19.9
	12/17/12	NC	13.0	4.5	8.8

TABLE 4.2

LANDFILL GAS MONITORING - VARIOUS LOCATIONS ON AND OFF SITE
SEPTEMBER 2012
CORK STREET LANDFILL
KALAMAZOO, MICHIGAN

Sanitary Sewer Manhole #7	4/10/06	NC	0.0	0.0	20.9
(MH-7)	7/26/06	NC	0.0	0.0	20.2
	9/27/06	NC	0.0	0.0	20.2
	12/18/06	NC	0.0	0.3	20.0
	3/27/07	NC	0.1	0.0	19.8
	6/27/07	NC	0.0	0.0	20.0
	9/27/07	NC	0.1	0.0	20.3
	12/27/07	NC	0.0	0.1	19..8
	5/7/08	NC	0.0	0.0	20.0
	6/26/08	NC	0.0	0.0	19.8
	9/24/08	NC	0.0	0.4	20.0
	12/15/08	NC	0.0	1.3	20.4
	6/22/09	NC	0.0	0.2	20.0
	9/25/12	NC	0.2	0.2	19.5
	9/23/09	NC	0.1	0.0	20.6
	12/17/09	NC	0.0	0.5	21.4
	3/31/10	NC	0.0	0.0	19.7
	6/18/10	NC	0.0	0.1	19.4
	9/15/10	NC	0.0	0.7	19.2
	12/20/10	NC	0.0	0.0	20.6
	3/23/11	NC	0.1	0.1	20.3
	6/15/11	NC	0.0	0.4	20.4
	9/15/11	NC	0.4	1.3	21.0
	12/14/11	NC	0.0	0.5	20.4
	3/27/12	NC	0.1	0.3	20.4
	6/13/12	NC	0.0	1.3	20.2
	9/25/12	NC	0.2	0.2	19.5
	12/17/12	NC	0.0	0.9	20.7
Leachate Collection	4/10/06	NC	0.0	0.0	20.9
(MDS)	7/26/06	NC	0.0	0.0	20.2
	9/27/06	NC	0.0	0.0	20.0
	12/18/06	NC	0.0	0.0	20.4
	3/27/07	NC	0.3	0.0	19.6
	6/27/07	NC	0.1	0.0	20.0
	9/27/07	NC	0.1	0.0	20.2
	12/27/07	NC	0.0	0.0	20.0
	5/7/08	NC	0.0	0.0	20.0
	6/26/08	NC	0.0	0.0	19.8
	9/24/08	NC	0.0	0.0	20.5
	12/15/09	NC	0.0	0.5	20.8
	6/22/09	NC	0.0	0.0	20.3
	9/23/09	NC	0.1	0.0	20.6
	12/17/09	NC	0.0	0.3	21.5
	3/31/10	NC	0.0	0.1	19.6
	6/18/10	NC	0.0	0.0	19.6
	9/15/10	NC	0.0	0.0	19.7
	12/20/10	NC	0.0	0.0	20.8
	3/23/11	NC	0.0	0.0	20.6
	6/15/11	NC	0.0	0.0	21.0
	9/15/11	NC	0.2	0.0	21.4
	12/14/11	NC	0.0	0.0	20.5
	3/27/12	NC	0.0	0.2	20.6
	6/13/12	NC	0.0	0.5	20.2
	9/25/12	NC	0.5	0.0	19.5
	12/17/12	NC	0.0	0.1	21.5
Sanitary Sewer Manhole #8	4/10/06	NC	0.0	0.0	20.8

TABLE 4.2

LANDFILL GAS MONITORING - VARIOUS LOCATIONS ON AND OFF SITE
SEPTEMBER 2012
CORK STREET LANDFILL
KALAMAZOO, MICHIGAN

MH-G#2	4/10/06	NC	0.1	0.0	20.8
	7/26/06	NC	0.0	0.0	20.3
	9/27/06	NC	0.0	0.0	20.1
	12/18/06	NC	0.0	0.0	20.4
	3/27/07	NC	0.2	0.0	19.7
	6/27/07	NC	0.0	0.0	20.0
	9/27/07	NC	0.3	0.1	20.0
	12/27/07	NC	0.0	0.0	20.0
	5/7/08	NC	1.2	0.4	18.1
	6/26/08	NC	0.0	0.0	19.8
	9/24/08	NC	0.0	0.0	20.5
	12/15/08	NC	0.0	0.3	21.0
	6/22/09	NC	7.9	2.1	12.3
	9/23/09	NC	0.1	0.0	20.6
	12/17/09	NC	0.0	0.6	21.2
	3/31/10	NC	0.4	1.4	19.2
	6/18/10	NC	2.2	1.6	17.7
	9/15/10	NC	0.0	0.0	19.8
	12/20/10	NC	0.0	0.1	20.7
	3/23/11	NC	0.2	0.7	20.1
	6/15/11	NC	0.1	0.0	20.7
	9/15/11	NC	0.0	0.0	20.6
	12/14/11	NC	0.5	0.8	20.0
	3/27/12	NC	0.0	0.4	21.5
	6/13/12	NC	0.1	0.6	20.4
	9/25/12	NC	0.3	0.0	19.9
	12/17/12	NC	0.0	0.4	21.4
MH-G#3	4/10/06	NC	25.7	1.3	5.8
	7/26/06	NC	30.0	2.5	2.8
	9/27/06	NC	23.7	2.2	3.5
	12/18/06	NC	33.7	1.9	5.4
	3/27/07	NC	05.9	1.0	16.1
	6/27/07	NC	0.1	0.0	19.8
	9/27/07	NC	0.1	0.0	20.2
	12/27/07	NC	0.0	0.2	19.7
	5/7/08	NC	0.7	0.2	19.7
	6/26/08	NC	0.0	0.0	19.8
	9/24/08	NC	20.4	2.2	5.7
	12/15/08	NC	0.1	0.6	20.7
	6/22/09	NC	0.9	0.6	19.9
	9/23/09	NC	0.1	0.0	20.6
	12/17/09	NC	0.4	1.0	20.6
	3/31/10	NC	1.5	0.7	17.1
	6/18/10	NC	1.0	0.4	18.2
	9/15/10	NC	0.8	1.7	15.8
	12/20/10	NC	6.3	1.9	12.6
	3/23/11	NC	13.1	1.4	13.7
	6/15/11	NC	1.5	0.3	20.1
	9/15/11	NC	1.6	1.7	15.0
	12/14/11	NC	0.5	0.9	19.8
	3/27/12	NC	11.3	1.1	15.9
	6/13/12	NC	0.9	1.3	19.7
	9/25/12	NC	5.7	1.9	12.0
	12/17/12	NC	4.3	2.9	6.6

TABLE 4.2

LANDFILL GAS MONITORING - VARIOUS LOCATIONS ON AND OFF SITE
SEPTEMBER 2012
CORK STREET LANDFILL
KALAMAZOO, MICHIGAN

Sanitary Sewer Manhole #5 (MH-5)	4/10/06	NC	0.1	0.1	20.6
	7/26/06	NC	0.0	0.0	20.4
	9/27/06	NC	0.0	0.2	19.8
	12/18/06	NC	0.0	0.0	20.4
	3/27/07	NC	0.0	0.0	19.6
	6/27/07	NC	0.0	1.7	18.7
	9/27/07	NC	0.1	1.3	18.9
	12/27/07	NC	0.0	0.1	19.9
	5/7/08	NC	0.1	0.0	19.9
	6/26/08	NC	0.0	0.0	19.8
	9/24/08	NC	0.0	1.5	17.9
	12/15/08	NC	0.0	0.2	20.7
	6/22/09	NC	0.0	0.7	19.8
	9/23/09	NC	0.1	3.2	15.4
	12/17/09	NC	0.0	0.3	21.2
	3/31/10	NC	0.0	0.0	20.2
	6/18/10	NC	0.0	0.1	19.4
	9/15/10	NC	0.0	0.8	19.4
	12/20/10	NC	0.0	0.2	20.6
	3/23/11	NC	0.1	0.0	20.3
	6/15/11	NC	0.1	0.3	20.5
	9/15/11	NC	0.0	1.1	20.0
	12/14/11	NC	0.5	0.9	19.3
	3/27/12	NC	0.0	0.3	21.6
	6/13/12	NC	0.1	1.5	20.1
	9/25/12	NC	0.3	0.3	19.5
	12/17/12	NC	0.0	0.2	21.6
Sanitary Sewer Manhole #4 (MH-4)	4/10/06	NC	0.0	0.0	20.6
	7/26/06	NC	0.0	0.1	20.1
	9/27/06	NC	0.0	0.1	19.8
	12/18/06	NC	0.0	0.3	19..8
	3/27/07	NC	2.3	0.8	17.8
	6/27/07	NC	0.0	0.0	19.8
	9/27/07	NC	0.1	0.3	19.9
	12/27/07	NC	0.0	0.1	19.8
	5/7/08	NC	0.1	0.2	19.7
	6/26/08	NC	0.0	0.0	19.8
	9/24/08	NC	0.0	0.5	20.0
	12/15/08	NC	0.0	0.6	20.6
	6/22/09	NC	0.2	0.1	20.4
	9/23/09	NC	0.2	0.3	20.2
	12/17/09	NC	0.0	1.5	21.0
	3/31/10	NC	0.0	0.2	20.1
	6/18/10	NC	0.0	0.3	19.1
	9/15/10	NC	0.0	1.0	19.2
	12/20/10	NC	0.0	0.3	20.8
	3/23/11	NC	0.3	0.1	20.1
	6/15/11	NC	0.1	0.4	20.5
	9/15/11	NC	0.0	1.3	20.0
	12/14/11	NC	3.1	0.4	18.9
	3/27/12	NC	0.0	0.4	21.8
	6/13/12	NC	0.1	1.0	20.4
	9/25/12	NC	0.3	0.4	19.2
	12/17/12	NC	0.0	1.2	20.6

LANDFILL GAS MONITORING - VARIOUS LOCATIONS ON AND OFF SITE
SEPTEMBER 2012
CORK STREET LANDFILL
KALAMAZOO, MICHIGAN

MH-G#4	4/10/06	NC	0.1	0.0	20.8
	7/26/06	NC	10.1	1.8	09.3
	9/27/06	NC	0.0	0.0	20.3
	12/15/06	NC	0.5	0.8	19.5
	3/27/07	NC	3.0	0.7	15.8
	6/27/07	NC	0.8	0.4	16.1
	9/27/07	NC	0.9	1.3	15.9
	12/27/07	NC	2.8	2.3	9.6
	5/7/08	NC	0.0	0.0	19.9
	6/26/08	NC	0.1	0.1	18.6
	9/24/08	NC	16.6	2.8	6.2
	12/15/08	NC	1.4	2.2	15.9
	6/22/09	NC	3.5	1.7	10.5
	9/23/09	NC	2.2	2.5	12.2
	12/17/09	NC	2.8	2.4	15.3
	3/31/10	NC	0.0	0.0	20.3
	6/18/10	NC	6.2	0.9	13.6
	9/15/10	NC	0.0	0.0	19.9
	12/20/10	NC	1.8	1.7	16.8
	3/23/11	NC	7.7	1.9	4.1
	6/15/11	NC	0.3	0.0	20.6
	9/15/11	NC	0.0	0.0	21.0
	12/14/11	NC	0.6	0.8	17.9
	3/27/12	NC	0.0	0.1	22.0
	6/13/12	NC	0.0	0.1	20.9
	9/25/12	NC	0.3	0.0	19.8
	12/17/12	NC	0.0	0.2	21.4

W/C = Water Column
NC = Not Collected
(1) = High oxygen and low carbon dioxide indicates potential short circuiting in probe.

APPENDICES

APPENDIX A

INSPECTION AND MAINTENANCE FORM – SEPTEMBER 2012 AND DECEMBER 2012

APPENDIX C
OPERATION AND MAINTENANCE REPAIR FORM
MICHIGAN DISPOSAL SERVICE (CORK STREET LANDFILL) SUPERFUND SITE
KALAMAZOO, MICHIGAN

Landfill Management System (circle one): Gen. Site Final Cover Surface Water Leachate Landfill Gas Wetlands

Date Problem Identified: March 2012

Description of Problem: Storm water ponds up along north side of the E-W access road on the west side of the main access drive.

Description of Maintenance or Repair Taken (Type, Location, Extent)

On August 2, 2012 the ground elevation along the drainage swale was checked. It was determined that there was a high spot preventing the flow of storm water along the drainage swale. The high spot appeared to both a design issue (flat spot in the swale) as well as caused by sediment and vegetation growth within the rip rap portion of the swale. The rip rap was temporarily removed from the swale and the vegetation and sediment removed or flattened out. This was conducted along a stretch approximately 150 feet long. The ground elevation was constantly being monitored to prevent any damage to the geotextile (under the rip rap). At this time it does not appear that additional rip rap needs to be added to the swale.

Date(s) of Maintenance Repair: 8/2/12

Inspector(s): Steve Corning

Signed:

APPENDIX A
OPERATION AND MAINTENANCE INSPECTION FORM
MICHIGAN DISPOSAL SERVICE (CORK STREET LANDFILL) SUPERFUND SITE
KALAMAZOO, MICHIGAN

Date: 9-25-12
Inspector: E. Bateman

Weather: Overcast, Windy, 60s

Inspection Item	*Inspect For*	*Comments and Remarks:* (*Note if repair/maintenance is recommended, describe its location/extent and identify on Maintenance Repair Form. If no deficiency, note as such*)
1. **Landfill Cover**		
Vegetated Soil Cover	✓ - erosion	
	✓ - exposure of the GCL or clay layer	
	✓ - areas of insufficient grass coverage	
	✓ - length of grass	
	✓ - dead/ dying grass	
	✓ - washouts	MW-35
	✓ - leachate outbreaks	– No
	✓ - settlement causing ponding of water	– No H_2O
	✓ - slope instability	
	✓ - burrowing by animals	MH-4, Near Southeast inlet of wetland
	✓ - rooting of trees	– Not on cap
Access Roads	✓ OK - erosion	
	✓ OK - obstructions	
	✓ OK - potholes	
	✓ OK - puddles	
	✓ OK - debris	
	✓ OK - damage caused by vehicular traffic	
Perimeter Fence	✓ - integrity of fence	Hole in bottom (under) fence near: MW-45, MH-4 ~~[illegible]~~ Near Northeast drain outlet, under sign on fence.
	✓ OK - integrity of gates	Hole / Damaged Fence near public waste parking lot
	✓ OK - integrity of locks	
	✓ OK - placement and condition of signs	

APPENDIX A
OPERATION AND MAINTENANCE INSPECTION FORM
MICHIGAN DISPOSAL SERVICE (CORK STREET LANDFILL) SUPERFUND SITE
KALAMAZOO, MICHIGAN

Date: 4-25-12
Inspector: E. Katenkamp

Weather:

Inspection Item	*Inspect For*	*Comments and Remarks:* *(Note if repair/maintenance is recommended, describe its location/extent and identify on Maintenance Repair Form. If no deficiency, note as such)*

2. Surface Water Management System

Surface Water Ditches	- sediments ✓	
	- erosion ✓	
	- evidence of erosion ✓	
	- obstructions ✓	
Sedimentation Basins	- silt accumulation ✓	
	- erosion ✓	
	- evidence of erosion ✓	
	- obstructions ✓	
Culverts	- silt accumulation ✓	
	- erosion ✓	
	- obstructions ✓	
Spillways	- silt accumulation ✓	
	- erosion ✓	
	- obstructions ✓	

3. Leachate Collection System

Manholes	✓ - obstructions – NONE	
	✓ - condition of hatch and lock	– no lock/NA
	✓ - condition of inside of manhole	– OK
	✓ - flow conditions	– very low

APPENDIX A
OPERATION AND MAINTENANCE INSPECTION FORM
MICHIGAN DISPOSAL SERVICE (CORK STREET LANDFILL) SUPERFUND SITE
KALAMAZOO, MICHIGAN

Date: 9-25-12
Inspector: E. Rutenberg

Weather:

Inspection Item	*Inspect For*	*Comments and Remarks:* *(Note if repair/maintenance is recommended, describe its location/extent and identify on Maintenance Repair Form. If no deficiency, note as such).*

4. Landfill Gas Control System Maintenance

Gas Vents & Gas Probes - intact/damage. OK ✓

5. Wetlands

Vegetated Cover
- bare areas OK
- washouts OK
- dead/dying plants, shrubs, trees, etc. OK

Outlet Culverts
- sediment build-up OK
- erosion OK
- obstructions, debris OK

Erosion Protection
- general condition and stability OK
- replacement requirements ?/NA

Sediments
- build-up of sediments OK
- restriction to flow OK

Water Levels
- excess water budget, flooding OK
- insufficient water budget, drought OK

6. Other Pertinent Observations

Meth. ~~Lab~~ Jamo near MDS
1 Bottle

APPENDIX A
OPERATION AND MAINTENANCE INSPECTION FORM
MICHIGAN DISPOSAL SERVICE (CORK STREET LANDFILL) SUPERFUND SITE
KALAMAZOO, MICHIGAN

Date: 12-18-12 *Weather:* Clouds + 30's
Inspector: Jon Valentine

Inspection Item	*Inspect For*	*Comments and Remarks:* *(Note if repair/maintenance is recommended, describe its location/extent and identify on Maintenance Repair Form. If no deficiency, note as such).*
1. Landfill Cover		
Vegetated Soil Cover	- erosion	None
	- exposure of the GCL or clay layer	None
	- areas of insufficient grass coverage	None
	- length of grass	6-12"
	- dead/dying grass	None
	- washouts	None
	- leachate outbreaks	None
	- settlement causing ponding of water	NONE
	- slope instability	good
	- burrowing by animals	None
	- rooting of trees	NONE
Access Roads	- erosion	NONE
	- obstructions	None
	- potholes	NONE
	- puddles	None
	- debris	None
	- damage caused by vehicular traffic	None
Perimeter Fence	- integrity of fence	Some damage (see photos)
	- integrity of gates	good
	- integrity of locks	good
	- placement and condition of signs	good

Photo 3

APPENDIX A
OPERATION AND MAINTENANCE INSPECTION FORM
MICHIGAN DISPOSAL SERVICE (CORK STREET LANDFILL) SUPERFUND SITE
KALAMAZOO, MICHIGAN

Date: 12-18-12 *Weather:* Clouds + 30's
Inspector: Sam Valentine

Inspection Item	*Inspect For*	*Comments and Remarks:* *(Note if repair/maintenance is recommended, describe its location/extent and identify on Maintenance Repair Form. If no deficiency, note as such).*
2. Surface Water Management System		
Surface Water Ditches	- sediments	None
	- erosion	None
	- evidence of erosion	None
	- obstructions	None
Sedimentation Basins	- silt accumulation	None
	- erosion	None
	- evidence of erosion	None
	- obstructions	None
Culverts	- silt accumulation	None
	- erosion	None
	- obstructions	None
Spillways	- silt accumulation	None
	- erosion	None
	- obstructions	None
3. Leachate Collection System		
Manholes	- obstructions	None
	- condition of hatch and lock	ok
	- condition of inside of manhole	ok
	- flow conditions	OK

APPENDIX A
OPERATION AND MAINTENANCE INSPECTION FORM
MICHIGAN DISPOSAL SERVICE (CORK STREET LANDFILL) SUPERFUND SITE
KALAMAZOO, MICHIGAN

Date: 12-18-12 *Weather:* Clouds + 30's
Inspector: Jon Valentine

Inspection Item	*Inspect For*	*Comments and Remarks:* *(Note if repair/maintenance is recommended, describe its location/extent and identify on Maintenance Repair Form. If no deficiency, note as such).*

4. Landfill Gas Control System Maintenance

Gas Vents & Gas Probes	- intact/damage	Yes / NO

5. Wetlands

Vegetated Cover	- bare areas	None
	- washouts	None
	- dead/dying plants, shrubs, trees, etc.	None
Outlet Culverts	- sediment build-up	None
	- erosion	None
	- obstructions, debris	None
Erosion Protection	- general condition and stability	good
	- replacement requirements	None
Sediments	- build-up of sediments	None
	- restriction to flow	NO
Water Levels	- excess water budget, flooding	NO
	- insufficient water budget, drought	NO

6. Other Pertinent Observations

APPENDIX B

DATABASE SUMMARY AND LABORATORY RAW DATA (CD)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 240-18996-1
Client Project/Site: 52222, Cork Street

For:
Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman

Authorized for release by:
2/28/2013 12:52:22 PM

Denise Heckler
Project Manager II
denise.heckler@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 240-18996-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 52222, Cork Street

Report Number: 240-18996-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 12/18/2012 and 12/19/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 2.3º C, 2.6º C, 2.9º C, 3.0º C, 4.6º C and 5.8º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TB-52222-121712-JY-724 (240-18996-1), GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. Samples TB-52222-121812-742 (240-19072-1), GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 12/25/2012 and 12/28/2012.

Benzene was detected in method blank MB 240-70455/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Samples GW-52222-121812-JY-734 (240-18996-2)[1.67X] and GW-52222-121812-JY-735 (240-18996-3)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Job ID: 240-18996-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. Samples GW-52222-121812-JY-734 (240-19072-2), GW-52222-121812-JY-735 (240-19072-3), SW-52222-121812-JY-736 (240-19072-4), SW-52222-121812-JY-737 (240-19072-5), SW-52222-121812-JY-738 (240-19072-6), SW-52222-121812-JY-739 (240-19072-7), SW-52222-121812-JY-740 (240-19072-8) and SW-52222-121812-JY-741 (240-19072-9) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 12/20/2012, 12/26/2012 and 12/27/2012 and analyzed on 12/21/2012, 12/27/2012 and 12/28/2012.

Several analytes were detected in method blank MB 240-69534/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Calcium and Magnesium were detected in method blank MB 240-70133/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Several analytes were detected in method blank MB 240-70176/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 02/24/2013 and 12/20/2012 and analyzed on 02/25/2013 and 12/25/2012.

Zinc was detected in method blank MB 240-69534/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Copper and Thallium were detected in method blank MB 240-69534/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for total mercury in accordance with EPA SW-846 Methods

Job ID: 240-18996-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

7470A. The samples were prepared on 12/26/2012 and 12/27/2012 and analyzed on 12/27/2012.

Mercury was detected in method blank MB 240-70174/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS

Samples SW-52222-121812-JY-736 (240-19072-4), SW-52222-121812-JY-737 (240-19072-5), SW-52222-121812-JY-738 (240-19072-6), SW-52222-121812-JY-739 (240-19072-7), SW-52222-121812-JY-740 (240-19072-8) and SW-52222-121812-JY-741 (240-19072-9) were analyzed for total suspended solids in accordance with EPA Method 160.2. The samples were analyzed on 12/22/2012.

No difficulties were encountered during the TSS analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for alkalinity in accordance with SM 2320B. Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 12/27/2012 and 12/29/2012.

Alkalinity was detected in method blank MB 240-70639/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No other difficulties were encountered during the alkalinity analyses.

All other quality control parameters were within the acceptance limits.

HARDNESS

Samples SW-52222-121812-JY-736 (240-19072-4), SW-52222-121812-JY-737 (240-19072-5), SW-52222-121812-JY-738 (240-19072-6), SW-52222-121812-JY-739 (240-19072-7), SW-52222-121812-JY-740 (240-19072-8) and SW-52222-121812-JY-741 (240-19072-9) were analyzed for hardness in accordance with SM 2340C. The samples were analyzed on 12/27/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for anions in accordance with EPA Method 300.0. Samples GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 12/20/2012, 12/27/2012 and 12/28/2012.

Samples GW-52222-121712-JY-725 (240-18996-2)[5X], GW-52222-121812-JY-734 (240-18996-2)[5X], GW-52222-121812-JY-735 (240-18996-3)[5X], GW-52222-121712-JY-727 (240-18996-4)[5X], GW-52222-121712-JY-728 (240-18996-5)[5X], GW-52222-121712-JY-729 (240-18996-6)[5X], GW-52222-121712-JY-730 (240-18996-7)[5X], GW-52222-121712-JY-731 (240-18996-8)

Job ID: 240-18996-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

[5X], GW-52222-121712-JY-732 (240-18996-9)[5X] and GW-52222-121712-JY-733 (240-18996-10)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA

Samples GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for ammonia in accordance with EPA Method 350.3. Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for ammonia in accordance with EPA Method 350.3. The samples were analyzed on 12/28/2012 and 12/31/2012.

Ammonia (as N) was detected in method blank MB 240-70483/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Samples GW-52222-121812-JY-735 (240-18996-3)[10X], GW-52222-121712-JY-729 (240-18996-6)[5X] and GW-52222-121712-JY-730 (240-18996-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

PHENOLS

Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for phenols in accordance with EPA Method 420.1. Samples GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for phenols in accordance with EPA Method 420.1. The samples were prepared and analyzed on 12/28/2012.

No difficulties were encountered during the phenol analyses.

All quality control parameters were within the acceptance limits.

TOTAL PHOSPHORUS

Samples GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for total phosphorus in accordance with SM 4500 P E. Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for total phosphorus in accordance with SM 4500 P E. The samples were prepared and analyzed on 12/31/2012.

No difficulties were encountered during the total phosphorus analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for Biochemical oxygen demand in accordance with SM 5210B. Samples GW-52222-121812-JY-734

Job ID: 240-18996-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

(240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for Biochemical oxygen demand in accordance with SM 5210B. The samples were analyzed on 12/19/2012.

The seed correction factor associated with BOD batch 69331 was above the method range of 0.6 mg/L to 1.0 mg/L at 1.43 mg/L. Associated sample results have been adjusted for the actual correction factor and are reported.

The seed correction factor associated with BOD batch 69479 was above the method range of 0.6 mg/L to 1.0 mg/L at 1.13 mg/L. Associated sample results have been adjusted for the actual correction factor and are reported.

No difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for chemical oxygen demand in accordance with SM 5220D. Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for chemical oxygen demand in accordance with SM 5220D. The samples were prepared and analyzed on 01/03/2013, 12/27/2012 and 12/31/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples GW-52222-121712-JY-725 (240-18996-2), GW-52222-121712-JY-726 (240-18996-3), GW-52222-121712-JY-727 (240-18996-4), GW-52222-121712-JY-728 (240-18996-5), GW-52222-121712-JY-729 (240-18996-6), GW-52222-121712-JY-730 (240-18996-7), GW-52222-121712-JY-731 (240-18996-8), GW-52222-121712-JY-732 (240-18996-9) and GW-52222-121712-JY-733 (240-18996-10) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. Samples GW-52222-121812-JY-734 (240-19072-2) and GW-52222-121812-JY-735 (240-19072-3) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 12/26/2012 and 12/27/2012.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
s	SCB Recovery High

Glossary

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

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-18996-1	TB-52222-121712-JY-724	Water	12/17/12 00:00	12/18/12 10:20
240-18996-2	GW-52222-121712-JY-725	Water	12/17/12 10:40	12/18/12 10:20
240-18996-3	GW-52222-121712-JY-726	Water	12/17/12 12:58	12/18/12 10:20
240-18996-4	GW-52222-121712-JY-727	Water	12/17/12 12:10	12/18/12 10:20
240-18996-5	GW-52222-121712-JY-728	Water	12/17/12 13:05	12/18/12 10:20
240-18996-6	GW-52222-121712-JY-729	Water	12/17/12 14:00	12/18/12 10:20
240-18996-7	GW-52222-121712-JY-730	Water	12/17/12 14:50	12/18/12 10:20
240-18996-8	GW-52222-121712-JY-731	Water	12/17/12 15:23	12/18/12 10:20
240-18996-9	GW-52222-121712-JY-732	Water	12/17/12 15:33	12/18/12 10:20
240-18996-10	GW-52222-121712-JY-733	Water	12/17/12 16:05	12/18/12 10:20
240-19072-1	TB-52222-121812-742	Water	12/18/12 00:00	12/19/12 08:30
240-19072-2	GW-52222-121812-JY-734	Water	12/18/12 09:05	12/19/12 08:30
240-19072-3	GW-52222-121812-JY-735	Water	12/18/12 09:55	12/19/12 08:30
240-19072-4	SW-52222-121812-JY-736	Water	12/18/12 10:58	12/19/12 08:30
240-19072-5	SW-52222-121812-JY-737	Water	12/18/12 11:05	12/19/12 08:30
240-19072-6	SW-52222-121812-JY-738	Water	12/18/12 11:20	12/19/12 08:30
240-19072-7	SW-52222-121812-JY-739	Water	12/18/12 11:30	12/19/12 08:30
240-19072-8	SW-52222-121812-JY-740	Water	12/18/12 11:50	12/19/12 08:30
240-19072-9	SW-52222-121812-JY-741	Water	12/18/12 11:51	12/19/12 08:30

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: TB-52222-121712-JY-724 — Lab Sample ID: 240-18996-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J	10	1.1	ug/L	1		8260B	Total/NA
Benzene	1.6		1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	1.1		1.0	0.13	ug/L	1		8260B	Total/NA

Client Sample ID: GW-52222-121712-JY-725 — Lab Sample ID: 240-18996-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	1.2		1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	19		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	130	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	100000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	1400		100	81	ug/L	1		6010B	Total Recoverable
Potassium	2900		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	28000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	480	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	32000		1000	590	ug/L	1		6010B	Total Recoverable
Thallium	0.21	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	2.7	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	55		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	32		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.28	B	0.20	0.035	mg/L	1		350.3	Total/NA
Phenols, Total	0.016	J	0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	320		5.0	2.7	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GW-52222-121712-JY-726 — Lab Sample ID: 240-18996-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.58	J	1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	0.76	J	1.0	0.13	ug/L	1		8260B	Total/NA
Barium	54	J B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	140000	B	5000	130	ug/L	1		6010B	Total Recoverable
Potassium	1400		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	24000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	1.9	J B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	21000		1000	590	ug/L	1		6010B	Total Recoverable
Copper	0.71	J B	25	0.29	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121712-JY-726 (Continued) — Lab Sample ID: 240-18996-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.63	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Mercury	0.13	J B	0.20	0.12	ug/L	1		7470A	Total/NA
Chloride	68		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	12		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.049	J B	0.20	0.035	mg/L	1		350.3	Total/NA
Phenols, Total	0.0075	J	0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	390		5.0	2.7	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GW-52222-121712-JY-727 — Lab Sample ID: 240-18996-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.4		1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	1.3		1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	34		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	61	J B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	69000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	750		100	81	ug/L	1		6010B	Total Recoverable
Potassium	1100		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	20000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	110	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	14000		1000	590	ug/L	1		6010B	Total Recoverable
Copper	0.38	J B	25	0.29	ug/L	1		6020	Total Recoverable
Thallium	0.16	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Chloride	14		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	6.8		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.24	B	0.20	0.035	mg/L	1		350.3	Total/NA
Phenols, Total	0.0075	J	0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	280		5.0	2.7	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GW-52222-121712-JY-728 — Lab Sample ID: 240-18996-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	1.2		1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	13		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	91	J B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	77000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	1600		100	81	ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121712-JY-728 (Continued) — Lab Sample ID: 240-18996-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	840	J	1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	93	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	6500		1000	590	ug/L	1		6010B	Total Recoverable
Chloride	12		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	12		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.19	J B	0.20	0.035	mg/L	1		350.3	Total/NA
Phenols, Total	0.056		0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	270		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as P	0.048	J	0.10	0.033	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: GW-52222-121712-JY-729 — Lab Sample ID: 240-18996-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.81	J	1.0	0.13	ug/L	1		8260B	Total/NA
Chlorobenzene	1.0		1.0	0.15	ug/L	1		8260B	Total/NA
Toluene	0.82	J	1.0	0.13	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	0.74	J	1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	36		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	100	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	100000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	7500		100	81	ug/L	1		6010B	Total Recoverable
Potassium	8400		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	36000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	470	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	36000		1000	590	ug/L	1		6010B	Total Recoverable
Mercury	0.13	J B	0.20	0.12	ug/L	1		7470A	Total/NA
Chloride	100		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	2.5		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	11	B	1.0	0.18	mg/L	5		350.3	Total/NA
Phenols, Total	0.016	J	0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	400		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as P	0.15		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	9.6		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	21		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-121712-JY-730 — Lab Sample ID: 240-18996-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2		1.0	0.13	ug/L	1		8260B	Total/NA
Chlorobenzene	2.9		1.0	0.15	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GW-52222-121712-JY-730 (Continued) — Lab Sample ID: 240-18996-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.86	J	1.0	0.13	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	0.16	J	1.0	0.13	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	2.3		1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	130		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	100	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	83000	B	5000	130	ug/L	1		6010B	Total Recoverable
Cobalt	2.8	J	7.0	1.7	ug/L	1		6010B	Total Recoverable
Iron	14000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	22000		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	35000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	150	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	46000		1000	590	ug/L	1		6010B	Total Recoverable
Copper	0.29	J B	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	6.1	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	99		5.0	0.50	mg/L	5		300.0	Total/NA
Ammonia (as N)	35	B	1.0	0.18	mg/L	5		350.3	Total/NA
Phenols, Total	33		0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	480		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as P	0.53		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	7.2		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	54		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-121712-JY-731 — Lab Sample ID: 240-18996-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.85	J	1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	0.93	J	1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	7.2		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	190	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	170000	B	5000	130	ug/L	1		6010B	Total Recoverable
Cobalt	2.5	J	7.0	1.7	ug/L	1		6010B	Total Recoverable
Chromium	8.8		5.0	2.2	ug/L	1		6010B	Total Recoverable
Iron	5200		100	81	ug/L	1		6010B	Total Recoverable
Potassium	3800		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	56000	B	1000	34	ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121712-JY-731 (Continued) — Lab Sample ID: 240-18996-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	250	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	55000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	7.8	J	20	3.2	ug/L	1		6010B	Total Recoverable
Aluminum	57		50	19	ug/L	1		6020	Total Recoverable
Copper	3.1	J B	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	4.0	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	100		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	63		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.61	B	0.20	0.035	mg/L	1		350.3	Total/NA
Phenols, Total	0.018	J	0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	580		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Chemical Oxygen Demand	26		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-121712-JY-732 — Lab Sample ID: 240-18996-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.81	J	1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	0.99	J	1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	4.4	J	5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	170	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	170000	B	5000	130	ug/L	1		6010B	Total Recoverable
Cobalt	2.4	J	7.0	1.7	ug/L	1		6010B	Total Recoverable
Chromium	3.9	J	5.0	2.2	ug/L	1		6010B	Total Recoverable
Iron	2800		100	81	ug/L	1		6010B	Total Recoverable
Potassium	3800		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	55000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	260	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	54000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	7.0	J	20	3.2	ug/L	1		6010B	Total Recoverable
Aluminum	24	J	50	19	ug/L	1		6020	Total Recoverable
Copper	1.3	J B	25	0.29	ug/L	1		6020	Total Recoverable
Chloride	100		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	73		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.57	B	0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	570		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Chemical Oxygen Demand	18	J	20	10	mg/L	1		SM 5220D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121712-JY-733 — Lab Sample ID: 240-18996-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.4		1.0	0.13	ug/L	1		8260B	Total/NA
Chlorobenzene	2.3		1.0	0.15	ug/L	1		8260B	Total/NA
Toluene	0.67	J	1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	21		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	210	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	150000	B	5000	130	ug/L	1		6010B	Total Recoverable
Cobalt	3.2	J	7.0	1.7	ug/L	1		6010B	Total Recoverable
Iron	13000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	4100		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	52000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	720	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	46000		1000	590	ug/L	1		6010B	Total Recoverable
Zinc	2.5	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	230		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	16		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	3.0	B	0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	380		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as P	0.15		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	7.4		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	54		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: TB-52222-121812-742 — Lab Sample ID: 240-19072-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6	J	10	1.1	ug/L	1		8260B	Total/NA

Client Sample ID: GW-52222-121812-JY-734 — Lab Sample ID: 240-19072-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.44	J B	1.7	0.22	ug/L	1.667		8260B	Total/NA
Arsenic	26		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	130	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	180000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	15000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	2000	B	1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	58000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	65	B	15	0.41	ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: GW-52222-121812-JY-734 (Continued) — Lab Sample ID: 240-19072-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	63000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	4.4	J	20	3.2	ug/L	1		6010B	Total Recoverable
Aluminum	5.3	J	50	2.6	ug/L	1		6020	Total Recoverable
Copper	0.84	J	25	0.24	ug/L	1		6020	Total Recoverable
Antimony	0.043	J	5.0	0.019	ug/L	1		6020	Total Recoverable
Thallium	0.028	J	2.0	0.015	ug/L	1		6020	Total Recoverable
Zinc	1.5	J	10	0.96	ug/L	1		6020	Total Recoverable
Chloride	300		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	0.28	J	1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.56		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	450	B	5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as P	0.072	J	0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	30		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	67		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-121812-JY-735 — Lab Sample ID: 240-19072-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	83	B	4.0	0.52	ug/L	4		8260B	Total/NA
Chlorobenzene	110		4.0	0.60	ug/L	4		8260B	Total/NA
1,2-Dichloroethane	2.0	J	4.0	0.88	ug/L	4		8260B	Total/NA
1,2-Dichlorobenzene	0.83	J	4.0	0.52	ug/L	4		8260B	Total/NA
1,4-Dichlorobenzene	2.0	J	4.0	0.52	ug/L	4		8260B	Total/NA
Arsenic	6.8		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	190	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	170000	B	5000	130	ug/L	1		6010B	Total Recoverable
Cobalt	4.7	J	7.0	1.7	ug/L	1		6010B	Total Recoverable
Chromium	2.7	J	5.0	2.2	ug/L	1		6010B	Total Recoverable
Iron	660		100	81	ug/L	1		6010B	Total Recoverable
Potassium	50000	B	1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	86000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	1000	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	150000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	15	J	20	3.2	ug/L	1		6010B	Total Recoverable
Aluminum	5.2	J	50	2.6	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121812-JY-735 (Continued) — Lab Sample ID: 240-19072-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.7	J	25	0.24	ug/L	1		6020	Total Recoverable
Antimony	0.16	J	5.0	0.019	ug/L	1		6020	Total Recoverable
Thallium	0.050	J	2.0	0.015	ug/L	1		6020	Total Recoverable
Zinc	4.7	J	10	0.96	ug/L	1		6020	Total Recoverable
Chloride	200		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	29		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	49		2.0	0.35	mg/L	10		350.3	Total/NA
Phenols, Total	0.0075	J	0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	970	B	5.0	2.7	mg/L	1		SM 2320B	Total/NA
Biochemical Oxygen Demand	4.8		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	120		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: SW-52222-121812-JY-736 — Lab Sample ID: 240-19072-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	89000	B	5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	22000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	3.0	J	4.0	1.8	mg/L	1		160.2	Total/NA
Hardness as calcium carbonate	320		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-121812-JY-737 — Lab Sample ID: 240-19072-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	86000	B	5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	21000	B	1000	34	ug/L	1		6010B	Total Recoverable
Hardness as calcium carbonate	350		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-121812-JY-738 — Lab Sample ID: 240-19072-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	93000	B	5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	3.0	J	4.0	1.8	mg/L	1		160.2	Total/NA
Hardness as calcium carbonate	370		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-121812-JY-739 — Lab Sample ID: 240-19072-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	91000	B	5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	22000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	3.0	J	4.0	1.8	mg/L	1		160.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-52222-121812-JY-739 (Continued) — Lab Sample ID: 240-19072-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	350		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-121812-JY-740 — Lab Sample ID: 240-19072-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	96000	B	5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Hardness as calcium carbonate	380		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-121812-JY-741 — Lab Sample ID: 240-19072-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	94000	B	5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	2.0	J	4.0	1.8	mg/L	1		160.2	Total/NA
Hardness as calcium carbonate	360		5.0	3.1	mg/L	1		SM 2340C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
6010B	Metals (ICP)	SW846	TAL NC
6020	Metals (ICP/MS)	SW846	TAL NC
6020	Metals (ICP/MS)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL NC
160.2	Solids, Total Suspended (TSS)	MCAWW	TAL NC
300.0	Anions, Ion Chromatography	MCAWW	TAL NC
350.3	Nitrogen, Ammonia	MCAWW	TAL NC
420.1	Phenolics, Total Recoverable	MCAWW	TAL NC
9012A	Cyanide, Total and/or Amenable	SW846	TAL NC
SM 2320B	Alkalinity	SM	TAL NC
SM 2340C	Hardness, Total	SM	TAL NC
SM 4500 P E	Phosphorus	SM	TAL NC
SM 5210B	BOD, 5-Day	SM	TAL NC
SM 5220D	COD	SM	TAL NC

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

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

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: TB-52222-121712-JY-724
Date Collected: 12/17/12 00:00
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.7**	**J**	10	1.1	ug/L			12/25/12 04:18	1
Benzene	**1.6**		1.0	0.13	ug/L			12/25/12 04:18	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 04:18	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 04:18	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 04:18	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 04:18	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 04:18	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 04:18	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/25/12 04:18	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 04:18	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 04:18	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 04:18	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 04:18	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 04:18	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 04:18	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 04:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 04:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 04:18	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 04:18	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 04:18	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 04:18	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 04:18	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 04:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 04:18	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 04:18	1
Toluene	**1.1**		1.0	0.13	ug/L			12/25/12 04:18	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 04:18	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 04:18	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 04:18	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 04:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 04:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 04:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 04:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 04:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 04:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 04:18	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 129*		*12/25/12 04:18*	*1*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*12/25/12 04:18*	*1*
Toluene-d8 (Surr)	*83*		*74 - 115*		*12/25/12 04:18*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 121*		*12/25/12 04:18*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-725
Date Collected: 12/17/12 10:40
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 04:40	1
Benzene	**1.5**		1.0	0.13	ug/L			12/25/12 04:40	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 04:40	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 04:40	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 04:40	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 04:40	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 04:40	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 04:40	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/25/12 04:40	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 04:40	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 04:40	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 04:40	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 04:40	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 04:40	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 04:40	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 04:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 04:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 04:40	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 04:40	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 04:40	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 04:40	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 04:40	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 04:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 04:40	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 04:40	1
Toluene	**1.2**		1.0	0.13	ug/L			12/25/12 04:40	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 04:40	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 04:40	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 04:40	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 04:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 04:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 04:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 04:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 04:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 04:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 04:40	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*12/25/12 04:40*	*1*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*12/25/12 04:40*	*1*
Toluene-d8 (Surr)	*86*		*74 - 115*		*12/25/12 04:40*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 121*		*12/25/12 04:40*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-726
Date Collected: 12/17/12 12:58
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 07:39	1
Benzene	**0.58**	**J**	1.0	0.13	ug/L			12/25/12 07:39	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 07:39	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 07:39	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 07:39	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 07:39	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 07:39	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 07:39	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/25/12 07:39	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 07:39	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 07:39	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 07:39	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 07:39	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 07:39	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 07:39	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 07:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 07:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 07:39	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 07:39	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 07:39	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 07:39	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 07:39	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 07:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 07:39	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 07:39	1
Toluene	**0.76**	**J**	1.0	0.13	ug/L			12/25/12 07:39	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 07:39	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 07:39	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 07:39	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 07:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 07:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 07:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 07:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 07:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 07:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 07:39	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 129*		*12/25/12 07:39*	*1*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*12/25/12 07:39*	*1*
Toluene-d8 (Surr)	*86*		*74 - 115*		*12/25/12 07:39*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 121*		*12/25/12 07:39*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-727
Date Collected: 12/17/12 12:10
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 05:02	1
Benzene	**1.4**		1.0	0.13	ug/L			12/25/12 05:02	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 05:02	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 05:02	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 05:02	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 05:02	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 05:02	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 05:02	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/25/12 05:02	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 05:02	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 05:02	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 05:02	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 05:02	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 05:02	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 05:02	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 05:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 05:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 05:02	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 05:02	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 05:02	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 05:02	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 05:02	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 05:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 05:02	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 05:02	1
Toluene	**1.3**		1.0	0.13	ug/L			12/25/12 05:02	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 05:02	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 05:02	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 05:02	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 05:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 05:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 05:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 05:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 05:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 05:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 05:02	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/25/12 05:02*	*1*
4-Bromofluorobenzene (Surr)	*84*		*66 - 117*		*12/25/12 05:02*	*1*
Toluene-d8 (Surr)	*87*		*74 - 115*		*12/25/12 05:02*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 121*		*12/25/12 05:02*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-728
Date Collected: 12/17/12 13:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 05:25	1
Benzene	**1.1**		1.0	0.13	ug/L			12/25/12 05:25	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 05:25	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 05:25	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 05:25	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 05:25	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 05:25	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 05:25	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/25/12 05:25	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 05:25	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 05:25	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 05:25	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 05:25	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 05:25	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 05:25	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 05:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 05:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 05:25	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 05:25	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 05:25	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 05:25	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 05:25	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 05:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 05:25	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 05:25	1
Toluene	**1.2**		1.0	0.13	ug/L			12/25/12 05:25	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 05:25	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 05:25	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 05:25	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 05:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 05:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 05:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 05:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 05:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 05:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 05:25	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 129*		*12/25/12 05:25*	*1*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*12/25/12 05:25*	*1*
Toluene-d8 (Surr)	*85*		*74 - 115*		*12/25/12 05:25*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 121*		*12/25/12 05:25*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-729
Date Collected: 12/17/12 14:00
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 05:47	1
Benzene	**0.81**	**J**	1.0	0.13	ug/L			12/25/12 05:47	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 05:47	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 05:47	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 05:47	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 05:47	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 05:47	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 05:47	1
Chlorobenzene	**1.0**		1.0	0.15	ug/L			12/25/12 05:47	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 05:47	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 05:47	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 05:47	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 05:47	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 05:47	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 05:47	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 05:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 05:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 05:47	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 05:47	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 05:47	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 05:47	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 05:47	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 05:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 05:47	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 05:47	1
Toluene	**0.82**	**J**	1.0	0.13	ug/L			12/25/12 05:47	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 05:47	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 05:47	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 05:47	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 05:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 05:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 05:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 05:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 05:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 05:47	1
1,4-Dichlorobenzene	**0.74**	**J**	1.0	0.13	ug/L			12/25/12 05:47	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*12/25/12 05:47*	*1*
4-Bromofluorobenzene (Surr)	*84*		*66 - 117*		*12/25/12 05:47*	*1*
Toluene-d8 (Surr)	*83*		*74 - 115*		*12/25/12 05:47*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 121*		*12/25/12 05:47*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-730
Date Collected: 12/17/12 14:50
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 06:09	1
Benzene	**1.2**		1.0	0.13	ug/L			12/25/12 06:09	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 06:09	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 06:09	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 06:09	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 06:09	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 06:09	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 06:09	1
Chlorobenzene	**2.9**		1.0	0.15	ug/L			12/25/12 06:09	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 06:09	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 06:09	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 06:09	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 06:09	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 06:09	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 06:09	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 06:09	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 06:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 06:09	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 06:09	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 06:09	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 06:09	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 06:09	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 06:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 06:09	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 06:09	1
Toluene	**0.86**	**J**	1.0	0.13	ug/L			12/25/12 06:09	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 06:09	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 06:09	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 06:09	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 06:09	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 06:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 06:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 06:09	1
1,2-Dichlorobenzene	**0.16**	**J**	1.0	0.13	ug/L			12/25/12 06:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 06:09	1
1,4-Dichlorobenzene	**2.3**		1.0	0.13	ug/L			12/25/12 06:09	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*12/25/12 06:09*	*1*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*12/25/12 06:09*	*1*
Toluene-d8 (Surr)	*88*		*74 - 115*		*12/25/12 06:09*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 121*		*12/25/12 06:09*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-731
Date Collected: 12/17/12 15:23
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 06:31	1
Benzene	**0.85**	**J**	1.0	0.13	ug/L			12/25/12 06:31	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 06:31	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 06:31	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 06:31	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 06:31	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 06:31	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 06:31	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/25/12 06:31	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 06:31	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 06:31	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 06:31	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 06:31	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 06:31	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 06:31	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 06:31	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 06:31	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 06:31	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 06:31	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 06:31	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 06:31	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 06:31	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 06:31	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 06:31	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 06:31	1
Toluene	**0.93**	**J**	1.0	0.13	ug/L			12/25/12 06:31	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 06:31	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 06:31	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 06:31	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 06:31	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 06:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 06:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 06:31	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 06:31	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 06:31	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 06:31	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*63 - 129*		*12/25/12 06:31*	*1*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*12/25/12 06:31*	*1*
Toluene-d8 (Surr)	*85*		*74 - 115*		*12/25/12 06:31*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 121*		*12/25/12 06:31*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-732
Date Collected: 12/17/12 15:33
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 06:54	1
Benzene	**0.81**	**J**	1.0	0.13	ug/L			12/25/12 06:54	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 06:54	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 06:54	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 06:54	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 06:54	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 06:54	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 06:54	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/25/12 06:54	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 06:54	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 06:54	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 06:54	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 06:54	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 06:54	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 06:54	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 06:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 06:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 06:54	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 06:54	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 06:54	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 06:54	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 06:54	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 06:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 06:54	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 06:54	1
Toluene	**0.99**	**J**	1.0	0.13	ug/L			12/25/12 06:54	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 06:54	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 06:54	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 06:54	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 06:54	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 06:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 06:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 06:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 06:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 06:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 06:54	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*63 - 129*		*12/25/12 06:54*	*1*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*12/25/12 06:54*	*1*
Toluene-d8 (Surr)	*86*		*74 - 115*		*12/25/12 06:54*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 121*		*12/25/12 06:54*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-733
Date Collected: 12/17/12 16:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 07:16	1
Benzene	**8.4**		1.0	0.13	ug/L			12/25/12 07:16	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 07:16	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 07:16	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 07:16	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 07:16	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 07:16	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 07:16	1
Chlorobenzene	**2.3**		1.0	0.15	ug/L			12/25/12 07:16	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 07:16	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 07:16	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 07:16	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 07:16	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 07:16	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 07:16	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 07:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 07:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 07:16	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 07:16	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 07:16	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 07:16	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 07:16	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 07:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 07:16	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 07:16	1
Toluene	**0.67**	**J**	1.0	0.13	ug/L			12/25/12 07:16	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 07:16	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 07:16	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 07:16	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 07:16	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 07:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 07:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 07:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 07:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 07:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 07:16	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 129*		*12/25/12 07:16*	*1*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*12/25/12 07:16*	*1*
Toluene-d8 (Surr)	*86*		*74 - 115*		*12/25/12 07:16*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 121*		*12/25/12 07:16*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: TB-52222-121812-742
Date Collected: 12/18/12 00:00
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.6**	**J**	10	1.1	ug/L			12/28/12 18:40	1
Benzene	1.0	U	1.0	0.13	ug/L			12/28/12 18:40	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/28/12 18:40	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/28/12 18:40	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/28/12 18:40	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/28/12 18:40	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/28/12 18:40	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/28/12 18:40	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/28/12 18:40	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/28/12 18:40	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/28/12 18:40	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/28/12 18:40	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/28/12 18:40	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/28/12 18:40	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/28/12 18:40	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/28/12 18:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/28/12 18:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/28/12 18:40	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/28/12 18:40	1
2-Hexanone	10	U	10	0.41	ug/L			12/28/12 18:40	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/28/12 18:40	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/28/12 18:40	1
Styrene	1.0	U	1.0	0.11	ug/L			12/28/12 18:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/28/12 18:40	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/28/12 18:40	1
Toluene	1.0	U	1.0	0.13	ug/L			12/28/12 18:40	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/28/12 18:40	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/28/12 18:40	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/28/12 18:40	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/28/12 18:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/28/12 18:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/28/12 18:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/28/12 18:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/28/12 18:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/28/12 18:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/28/12 18:40	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/28/12 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*		*12/28/12 18:40*	*1*
4-Bromofluorobenzene (Surr)	*87*		*66 - 117*		*12/28/12 18:40*	*1*
Toluene-d8 (Surr)	*97*		*74 - 115*		*12/28/12 18:40*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 121*		*12/28/12 18:40*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121812-JY-734
Date Collected: 12/18/12 09:05
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17	U	17	1.8	ug/L			12/28/12 20:05	1.667
Benzene	**0.44**	**J B**	1.7	0.22	ug/L			12/28/12 20:05	1.667
Bromodichloromethane	1.7	U	1.7	0.25	ug/L			12/28/12 20:05	1.667
Bromoform	1.7	U	1.7	1.1	ug/L			12/28/12 20:05	1.667
Bromomethane	1.7	U	1.7	0.68	ug/L			12/28/12 20:05	1.667
2-Butanone (MEK)	17	U	17	0.95	ug/L			12/28/12 20:05	1.667
Carbon disulfide	1.7	U	1.7	0.22	ug/L			12/28/12 20:05	1.667
Carbon tetrachloride	1.7	U	1.7	0.22	ug/L			12/28/12 20:05	1.667
Chlorobenzene	1.7	U	1.7	0.25	ug/L			12/28/12 20:05	1.667
Chloroethane	1.7	U	1.7	0.48	ug/L			12/28/12 20:05	1.667
Chloroform	1.7	U	1.7	0.27	ug/L			12/28/12 20:05	1.667
Chloromethane	1.7	U	1.7	0.50	ug/L			12/28/12 20:05	1.667
1,1-Dichloroethane	1.7	U	1.7	0.25	ug/L			12/28/12 20:05	1.667
1,2-Dichloroethane	1.7	U	1.7	0.37	ug/L			12/28/12 20:05	1.667
1,1-Dichloroethene	1.7	U	1.7	0.32	ug/L			12/28/12 20:05	1.667
1,2-Dichloropropane	1.7	U	1.7	0.30	ug/L			12/28/12 20:05	1.667
cis-1,3-Dichloropropene	1.7	U	1.7	0.23	ug/L			12/28/12 20:05	1.667
trans-1,3-Dichloropropene	1.7	U	1.7	0.32	ug/L			12/28/12 20:05	1.667
Ethylbenzene	1.7	U	1.7	0.28	ug/L			12/28/12 20:05	1.667
2-Hexanone	17	U	17	0.68	ug/L			12/28/12 20:05	1.667
Methylene Chloride	1.7	U	1.7	0.55	ug/L			12/28/12 20:05	1.667
4-Methyl-2-pentanone (MIBK)	17	U	17	0.53	ug/L			12/28/12 20:05	1.667
Styrene	1.7	U	1.7	0.18	ug/L			12/28/12 20:05	1.667
1,1,2,2-Tetrachloroethane	1.7	U	1.7	0.30	ug/L			12/28/12 20:05	1.667
Tetrachloroethene	1.7	U	1.7	0.48	ug/L			12/28/12 20:05	1.667
Toluene	1.7	U	1.7	0.22	ug/L			12/28/12 20:05	1.667
Trichloroethene	1.7	U	1.7	0.28	ug/L			12/28/12 20:05	1.667
Vinyl chloride	1.7	U	1.7	0.37	ug/L			12/28/12 20:05	1.667
Xylenes, Total	1.7	U	1.7	0.47	ug/L			12/28/12 20:05	1.667
1,1,1-Trichloroethane	1.7	U	1.7	0.37	ug/L			12/28/12 20:05	1.667
1,1,2-Trichloroethane	1.7	U	1.7	0.45	ug/L			12/28/12 20:05	1.667
cis-1,2-Dichloroethene	1.7	U	1.7	0.28	ug/L			12/28/12 20:05	1.667
trans-1,2-Dichloroethene	1.7	U	1.7	0.32	ug/L			12/28/12 20:05	1.667
1,2-Dichlorobenzene	1.7	U	1.7	0.22	ug/L			12/28/12 20:05	1.667
1,3-Dichlorobenzene	1.7	U	1.7	0.23	ug/L			12/28/12 20:05	1.667
1,4-Dichlorobenzene	1.7	U	1.7	0.22	ug/L			12/28/12 20:05	1.667
Dibromochloromethane	1.7	U	1.7	0.30	ug/L			12/28/12 20:05	1.667

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*		*12/28/12 20:05*	*1.667*
4-Bromofluorobenzene (Surr)	*89*		*66 - 117*		*12/28/12 20:05*	*1.667*
Toluene-d8 (Surr)	*93*		*74 - 115*		*12/28/12 20:05*	*1.667*
Dibromofluoromethane (Surr)	*104*		*75 - 121*		*12/28/12 20:05*	*1.667*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121812-JY-735
Date Collected: 12/18/12 09:55
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	40	U	40	4.4	ug/L			12/28/12 19:01	4
Benzene	**83**	**B**	4.0	0.52	ug/L			12/28/12 19:01	4
Bromodichloromethane	4.0	U	4.0	0.60	ug/L			12/28/12 19:01	4
Bromoform	4.0	U	4.0	2.6	ug/L			12/28/12 19:01	4
Bromomethane	4.0	U	4.0	1.6	ug/L			12/28/12 19:01	4
2-Butanone (MEK)	40	U	40	2.3	ug/L			12/28/12 19:01	4
Carbon disulfide	4.0	U	4.0	0.52	ug/L			12/28/12 19:01	4
Carbon tetrachloride	4.0	U	4.0	0.52	ug/L			12/28/12 19:01	4
Chlorobenzene	**110**		4.0	0.60	ug/L			12/28/12 19:01	4
Chloroethane	4.0	U	4.0	1.2	ug/L			12/28/12 19:01	4
Chloroform	4.0	U	4.0	0.64	ug/L			12/28/12 19:01	4
Chloromethane	4.0	U	4.0	1.2	ug/L			12/28/12 19:01	4
1,1-Dichloroethane	4.0	U	4.0	0.60	ug/L			12/28/12 19:01	4
1,2-Dichloroethane	**2.0**	**J**	4.0	0.88	ug/L			12/28/12 19:01	4
1,1-Dichloroethene	4.0	U	4.0	0.76	ug/L			12/28/12 19:01	4
1,2-Dichloropropane	4.0	U	4.0	0.72	ug/L			12/28/12 19:01	4
cis-1,3-Dichloropropene	4.0	U	4.0	0.56	ug/L			12/28/12 19:01	4
trans-1,3-Dichloropropene	4.0	U	4.0	0.76	ug/L			12/28/12 19:01	4
Ethylbenzene	4.0	U	4.0	0.68	ug/L			12/28/12 19:01	4
2-Hexanone	40	U	40	1.6	ug/L			12/28/12 19:01	4
Methylene Chloride	4.0	U	4.0	1.3	ug/L			12/28/12 19:01	4
4-Methyl-2-pentanone (MIBK)	40	U	40	1.3	ug/L			12/28/12 19:01	4
Styrene	4.0	U	4.0	0.44	ug/L			12/28/12 19:01	4
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.72	ug/L			12/28/12 19:01	4
Tetrachloroethene	4.0	U	4.0	1.2	ug/L			12/28/12 19:01	4
Toluene	4.0	U	4.0	0.52	ug/L			12/28/12 19:01	4
Trichloroethene	4.0	U	4.0	0.68	ug/L			12/28/12 19:01	4
Vinyl chloride	4.0	U	4.0	0.88	ug/L			12/28/12 19:01	4
Xylenes, Total	4.0	U	4.0	1.1	ug/L			12/28/12 19:01	4
1,1,1-Trichloroethane	4.0	U	4.0	0.88	ug/L			12/28/12 19:01	4
1,1,2-Trichloroethane	4.0	U	4.0	1.1	ug/L			12/28/12 19:01	4
cis-1,2-Dichloroethene	4.0	U	4.0	0.68	ug/L			12/28/12 19:01	4
trans-1,2-Dichloroethene	4.0	U	4.0	0.76	ug/L			12/28/12 19:01	4
1,2-Dichlorobenzene	**0.83**	**J**	4.0	0.52	ug/L			12/28/12 19:01	4
1,3-Dichlorobenzene	4.0	U	4.0	0.56	ug/L			12/28/12 19:01	4
1,4-Dichlorobenzene	**2.0**	**J**	4.0	0.52	ug/L			12/28/12 19:01	4
Dibromochloromethane	4.0	U	4.0	0.72	ug/L			12/28/12 19:01	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 129*		*12/28/12 19:01*	*4*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*		*12/28/12 19:01*	*4*
Toluene-d8 (Surr)	*92*		*74 - 115*		*12/28/12 19:01*	*4*
Dibromofluoromethane (Surr)	*101*		*75 - 121*		*12/28/12 19:01*	*4*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121712-JY-725
Date Collected: 12/17/12 10:40
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**19**		5.0	3.2	ug/L		12/20/12 08:17	12/21/12 18:04	1
Barium	**130**	**B**	100	0.67	ug/L		12/20/12 08:17	12/21/12 18:04	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 18:04	1
Calcium	**100000**	**B**	5000	130	ug/L		12/20/12 08:17	12/21/12 18:04	1
Cobalt	7.0	U	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 18:04	1
Chromium	5.0	U	5.0	2.2	ug/L		12/20/12 08:17	12/21/12 18:04	1
Iron	**1400**		100	81	ug/L		12/20/12 08:17	12/21/12 18:04	1
Potassium	**2900**		1000	72	ug/L		12/20/12 08:17	12/21/12 18:04	1
Magnesium	**28000**	**B**	1000	34	ug/L		12/20/12 08:17	12/21/12 18:04	1
Manganese	**480**	**B**	15	0.41	ug/L		12/20/12 08:17	12/21/12 18:04	1
Sodium	**32000**		1000	590	ug/L		12/20/12 08:17	12/21/12 18:04	1
Nickel	20	U	20	3.2	ug/L		12/20/12 08:17	12/21/12 18:04	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 18:04	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 18:04	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 18:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121712-JY-726
Date Collected: 12/17/12 12:58
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		12/20/12 08:17	12/21/12 17:21	1
Barium	**54**	**J B**	100	0.67	ug/L		12/20/12 08:17	12/21/12 17:21	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 17:21	1
Calcium	**140000**	**B**	5000	130	ug/L		12/20/12 08:17	12/21/12 17:21	1
Cobalt	7.0	U	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 17:21	1
Chromium	5.0	U	5.0	2.2	ug/L		12/20/12 08:17	12/21/12 17:21	1
Iron	100	U	100	81	ug/L		12/20/12 08:17	12/21/12 17:21	1
Potassium	**1400**		1000	72	ug/L		12/20/12 08:17	12/21/12 17:21	1
Magnesium	**24000**	**B**	1000	34	ug/L		12/20/12 08:17	12/21/12 17:21	1
Manganese	**1.9**	**J B**	15	0.41	ug/L		12/20/12 08:17	12/21/12 17:21	1
Sodium	**21000**		1000	590	ug/L		12/20/12 08:17	12/21/12 17:21	1
Nickel	20	U	20	3.2	ug/L		12/20/12 08:17	12/21/12 17:21	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 17:21	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 17:21	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 17:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121712-JY-727
Date Collected: 12/17/12 12:10
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**34**		5.0	3.2	ug/L		12/20/12 08:17	12/21/12 18:08	1
Barium	**61**	**J B**	100	0.67	ug/L		12/20/12 08:17	12/21/12 18:08	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 18:08	1
Calcium	**69000**	**B**	5000	130	ug/L		12/20/12 08:17	12/21/12 18:08	1
Cobalt	7.0	U	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 18:08	1
Chromium	5.0	U	5.0	2.2	ug/L		12/20/12 08:17	12/21/12 18:08	1
Iron	**750**		100	81	ug/L		12/20/12 08:17	12/21/12 18:08	1
Potassium	**1100**		1000	72	ug/L		12/20/12 08:17	12/21/12 18:08	1
Magnesium	**20000**	**B**	1000	34	ug/L		12/20/12 08:17	12/21/12 18:08	1
Manganese	**110**	**B**	15	0.41	ug/L		12/20/12 08:17	12/21/12 18:08	1
Sodium	**14000**		1000	590	ug/L		12/20/12 08:17	12/21/12 18:08	1
Nickel	20	U	20	3.2	ug/L		12/20/12 08:17	12/21/12 18:08	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 18:08	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 18:08	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 18:08	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121712-JY-728
Date Collected: 12/17/12 13:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		5.0	3.2	ug/L		12/20/12 08:17	12/21/12 18:11	1
Barium	**91**	**J B**	100	0.67	ug/L		12/20/12 08:17	12/21/12 18:11	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 18:11	1
Calcium	**77000**	**B**	5000	130	ug/L		12/20/12 08:17	12/21/12 18:11	1
Cobalt	7.0	U	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 18:11	1
Chromium	5.0	U	5.0	2.2	ug/L		12/20/12 08:17	12/21/12 18:11	1
Iron	**1600**		100	81	ug/L		12/20/12 08:17	12/21/12 18:11	1
Potassium	**840**	**J**	1000	72	ug/L		12/20/12 08:17	12/21/12 18:11	1
Magnesium	**23000**	**B**	1000	34	ug/L		12/20/12 08:17	12/21/12 18:11	1
Manganese	**93**	**B**	15	0.41	ug/L		12/20/12 08:17	12/21/12 18:11	1
Sodium	**6500**		1000	590	ug/L		12/20/12 08:17	12/21/12 18:11	1
Nickel	20	U	20	3.2	ug/L		12/20/12 08:17	12/21/12 18:11	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 18:11	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 18:11	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 18:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121712-JY-729
Date Collected: 12/17/12 14:00
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**36**		5.0	3.2	ug/L		12/20/12 08:17	12/21/12 18:15	1
Barium	**100**	**B**	100	0.67	ug/L		12/20/12 08:17	12/21/12 18:15	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 18:15	1
Calcium	**100000**	**B**	5000	130	ug/L		12/20/12 08:17	12/21/12 18:15	1
Cobalt	7.0	U	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 18:15	1
Chromium	5.0	U	5.0	2.2	ug/L		12/20/12 08:17	12/21/12 18:15	1
Iron	**7500**		100	81	ug/L		12/20/12 08:17	12/21/12 18:15	1
Potassium	**8400**		1000	72	ug/L		12/20/12 08:17	12/21/12 18:15	1
Magnesium	**36000**	**B**	1000	34	ug/L		12/20/12 08:17	12/21/12 18:15	1
Manganese	**470**	**B**	15	0.41	ug/L		12/20/12 08:17	12/21/12 18:15	1
Sodium	**36000**		1000	590	ug/L		12/20/12 08:17	12/21/12 18:15	1
Nickel	20	U	20	3.2	ug/L		12/20/12 08:17	12/21/12 18:15	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 18:15	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 18:15	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 18:15	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121712-JY-730
Date Collected: 12/17/12 14:50
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**130**		5.0	3.2	ug/L		12/20/12 08:17	12/21/12 18:27	1
Barium	**100**	**B**	100	0.67	ug/L		12/20/12 08:17	12/21/12 18:27	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 18:27	1
Calcium	**83000**	**B**	5000	130	ug/L		12/20/12 08:17	12/21/12 18:27	1
Cobalt	**2.8**	**J**	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 18:27	1
Chromium	5.0	U	5.0	2.2	ug/L		12/20/12 08:17	12/21/12 18:27	1
Iron	**14000**		100	81	ug/L		12/20/12 08:17	12/21/12 18:27	1
Potassium	**22000**		1000	72	ug/L		12/20/12 08:17	12/21/12 18:27	1
Magnesium	**35000**	**B**	1000	34	ug/L		12/20/12 08:17	12/21/12 18:27	1
Manganese	**150**	**B**	15	0.41	ug/L		12/20/12 08:17	12/21/12 18:27	1
Sodium	**46000**		1000	590	ug/L		12/20/12 08:17	12/21/12 18:27	1
Nickel	20	U	20	3.2	ug/L		12/20/12 08:17	12/21/12 18:27	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 18:27	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 18:27	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 18:27	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121712-JY-731
Date Collected: 12/17/12 15:23
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.2**		5.0	3.2	ug/L		12/20/12 08:17	12/21/12 18:31	1
Barium	**190**	**B**	100	0.67	ug/L		12/20/12 08:17	12/21/12 18:31	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 18:31	1
Calcium	**170000**	**B**	5000	130	ug/L		12/20/12 08:17	12/21/12 18:31	1
Cobalt	**2.5**	**J**	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 18:31	1
Chromium	**8.8**		5.0	2.2	ug/L		12/20/12 08:17	12/21/12 18:31	1
Iron	**5200**		100	81	ug/L		12/20/12 08:17	12/21/12 18:31	1
Potassium	**3800**		1000	72	ug/L		12/20/12 08:17	12/21/12 18:31	1
Magnesium	**56000**	**B**	1000	34	ug/L		12/20/12 08:17	12/21/12 18:31	1
Manganese	**250**	**B**	15	0.41	ug/L		12/20/12 08:17	12/21/12 18:31	1
Sodium	**55000**		1000	590	ug/L		12/20/12 08:17	12/21/12 18:31	1
Nickel	**7.8**	**J**	20	3.2	ug/L		12/20/12 08:17	12/21/12 18:31	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 18:31	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 18:31	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 18:31	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121712-JY-732
Date Collected: 12/17/12 15:33
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**	**J**	5.0	3.2	ug/L		12/20/12 08:17	12/21/12 18:35	1
Barium	**170**	**B**	100	0.67	ug/L		12/20/12 08:17	12/21/12 18:35	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 18:35	1
Calcium	**170000**	**B**	5000	130	ug/L		12/20/12 08:17	12/21/12 18:35	1
Cobalt	**2.4**	**J**	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 18:35	1
Chromium	**3.9**	**J**	5.0	2.2	ug/L		12/20/12 08:17	12/21/12 18:35	1
Iron	**2800**		100	81	ug/L		12/20/12 08:17	12/21/12 18:35	1
Potassium	**3800**		1000	72	ug/L		12/20/12 08:17	12/21/12 18:35	1
Magnesium	**55000**	**B**	1000	34	ug/L		12/20/12 08:17	12/21/12 18:35	1
Manganese	**260**	**B**	15	0.41	ug/L		12/20/12 08:17	12/21/12 18:35	1
Sodium	**54000**		1000	590	ug/L		12/20/12 08:17	12/21/12 18:35	1
Nickel	**7.0**	**J**	20	3.2	ug/L		12/20/12 08:17	12/21/12 18:35	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 18:35	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 18:35	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 18:35	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121712-JY-733
Date Collected: 12/17/12 16:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**21**		5.0	3.2	ug/L		12/20/12 08:17	12/21/12 18:39	1
Barium	**210**	**B**	100	0.67	ug/L		12/20/12 08:17	12/21/12 18:39	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 18:39	1
Calcium	**150000**	**B**	5000	130	ug/L		12/20/12 08:17	12/21/12 18:39	1
Cobalt	**3.2**	**J**	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 18:39	1
Chromium	5.0	U	5.0	2.2	ug/L		12/20/12 08:17	12/21/12 18:39	1
Iron	**13000**		100	81	ug/L		12/20/12 08:17	12/21/12 18:39	1
Potassium	**4100**		1000	72	ug/L		12/20/12 08:17	12/21/12 18:39	1
Magnesium	**52000**	**B**	1000	34	ug/L		12/20/12 08:17	12/21/12 18:39	1
Manganese	**720**	**B**	15	0.41	ug/L		12/20/12 08:17	12/21/12 18:39	1
Sodium	**46000**		1000	590	ug/L		12/20/12 08:17	12/21/12 18:39	1
Nickel	20	U	20	3.2	ug/L		12/20/12 08:17	12/21/12 18:39	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 18:39	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 18:39	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 18:39	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121812-JY-734
Date Collected: 12/18/12 09:05
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**26**		5.0	3.2	ug/L		12/27/12 07:13	12/28/12 20:59	1
Barium	**130**	**B**	100	0.67	ug/L		12/27/12 07:13	12/28/12 20:59	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/27/12 07:13	12/28/12 20:59	1
Calcium	**180000**	**B**	5000	130	ug/L		12/27/12 07:13	12/28/12 20:59	1
Cobalt	7.0	U	7.0	1.7	ug/L		12/27/12 07:13	12/28/12 20:59	1
Chromium	5.0	U	5.0	2.2	ug/L		12/27/12 07:13	12/28/12 20:59	1
Iron	**15000**		100	81	ug/L		12/27/12 07:13	12/28/12 20:59	1
Potassium	**2000**	**B**	1000	72	ug/L		12/27/12 07:13	12/28/12 20:59	1
Magnesium	**58000**	**B**	1000	34	ug/L		12/27/12 07:13	12/28/12 20:59	1
Manganese	**65**	**B**	15	0.41	ug/L		12/27/12 07:13	12/28/12 20:59	1
Sodium	**63000**		1000	590	ug/L		12/27/12 07:13	12/28/12 20:59	1
Nickel	**4.4**	**J**	20	3.2	ug/L		12/27/12 07:13	12/28/12 20:59	1
Lead	3.0	U	3.0	1.9	ug/L		12/27/12 07:13	12/28/12 20:59	1
Selenium	5.0	U	5.0	4.1	ug/L		12/27/12 07:13	12/28/12 20:59	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/27/12 07:13	12/28/12 20:59	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-121812-JY-735
Date Collected: 12/18/12 09:55
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		5.0	3.2	ug/L		12/27/12 07:13	12/28/12 21:03	1
Barium	**190**	**B**	100	0.67	ug/L		12/27/12 07:13	12/28/12 21:03	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/27/12 07:13	12/28/12 21:03	1
Calcium	**170000**	**B**	5000	130	ug/L		12/27/12 07:13	12/28/12 21:03	1
Cobalt	**4.7**	**J**	7.0	1.7	ug/L		12/27/12 07:13	12/28/12 21:03	1
Chromium	**2.7**	**J**	5.0	2.2	ug/L		12/27/12 07:13	12/28/12 21:03	1
Iron	**660**		100	81	ug/L		12/27/12 07:13	12/28/12 21:03	1
Potassium	**50000**	**B**	1000	72	ug/L		12/27/12 07:13	12/28/12 21:03	1
Magnesium	**86000**	**B**	1000	34	ug/L		12/27/12 07:13	12/28/12 21:03	1
Manganese	**1000**	**B**	15	0.41	ug/L		12/27/12 07:13	12/28/12 21:03	1
Sodium	**150000**		1000	590	ug/L		12/27/12 07:13	12/28/12 21:03	1
Nickel	**15**	**J**	20	3.2	ug/L		12/27/12 07:13	12/28/12 21:03	1
Lead	3.0	U	3.0	1.9	ug/L		12/27/12 07:13	12/28/12 21:03	1
Selenium	5.0	U	5.0	4.1	ug/L		12/27/12 07:13	12/28/12 21:03	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/27/12 07:13	12/28/12 21:03	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-121812-JY-736
Date Collected: 12/18/12 10:58
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	89000	B	5000	130	ug/L		12/26/12 11:04	12/27/12 10:30	1
Magnesium	22000	B	1000	34	ug/L		12/26/12 11:04	12/27/12 10:30	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-121812-JY-737
Date Collected: 12/18/12 11:05
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	86000	B	5000	130	ug/L		12/26/12 11:04	12/27/12 10:36	1
Magnesium	21000	B	1000	34	ug/L		12/26/12 11:04	12/27/12 10:36	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-121812-JY-738
Date Collected: 12/18/12 11:20
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	93000	B	5000	130	ug/L		12/26/12 11:04	12/27/12 10:42	1
Magnesium	23000	B	1000	34	ug/L		12/26/12 11:04	12/27/12 10:42	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-121812-JY-739
Date Collected: 12/18/12 11:30
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	91000	B	5000	130	ug/L		12/26/12 11:04	12/27/12 10:48	1
Magnesium	22000	B	1000	34	ug/L		12/26/12 11:04	12/27/12 10:48	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-121812-JY-740
Date Collected: 12/18/12 11:50
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	96000	B	5000	130	ug/L		12/26/12 11:04	12/27/12 11:32	1
Magnesium	23000	B	1000	34	ug/L		12/26/12 11:04	12/27/12 11:32	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-121812-JY-741
Date Collected: 12/18/12 11:51
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	94000	B	5000	130	ug/L		12/26/12 11:04	12/27/12 11:38	1
Magnesium	23000	B	1000	34	ug/L		12/26/12 11:04	12/27/12 11:38	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-725
Date Collected: 12/17/12 10:40
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		12/20/12 08:17	12/25/12 04:35	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 04:35	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 04:35	1
Copper	25	U	25	0.29	ug/L		12/20/12 08:17	12/25/12 04:35	1
Thallium	**0.21**	**J B**	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 04:35	1
Zinc	**2.7**	**J B**	10	2.3	ug/L		12/20/12 08:17	12/25/12 04:35	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 04:35	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-726
Date Collected: 12/17/12 12:58
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		12/20/12 08:17	12/25/12 03:15	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 03:15	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 03:15	1
Copper	**0.71**	**J B**	25	0.29	ug/L		12/20/12 08:17	12/25/12 03:15	1
Thallium	**0.63**	**J B**	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 03:15	1
Zinc	10	U	10	2.3	ug/L		12/20/12 08:17	12/25/12 03:15	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 03:15	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-727
Date Collected: 12/17/12 12:10
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		12/20/12 08:17	12/25/12 04:42	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 04:42	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 04:42	1
Copper	**0.38**	**J B**	25	0.29	ug/L		12/20/12 08:17	12/25/12 04:42	1
Thallium	**0.16**	**J B**	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 04:42	1
Zinc	10	U	10	2.3	ug/L		12/20/12 08:17	12/25/12 04:42	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 04:42	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-728
Date Collected: 12/17/12 13:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		12/20/12 08:17	12/25/12 04:49	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 04:49	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 04:49	1
Copper	25	U	25	0.29	ug/L		12/20/12 08:17	12/25/12 04:49	1
Thallium	2.0	U	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 04:49	1
Zinc	10	U	10	2.3	ug/L		12/20/12 08:17	12/25/12 04:49	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 04:49	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-729
Date Collected: 12/17/12 14:00
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		12/20/12 08:17	12/25/12 04:57	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 04:57	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 04:57	1
Copper	25	U	25	0.29	ug/L		12/20/12 08:17	12/25/12 04:57	1
Thallium	2.0	U	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 04:57	1
Zinc	10	U	10	2.3	ug/L		12/20/12 08:17	12/25/12 04:57	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 04:57	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-730
Date Collected: 12/17/12 14:50
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		12/20/12 08:17	12/25/12 05:04	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 05:04	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 05:04	1
Copper	**0.29**	**J B**	25	0.29	ug/L		12/20/12 08:17	12/25/12 05:04	1
Thallium	2.0	U	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 05:04	1
Zinc	**6.1**	**J B**	10	2.3	ug/L		12/20/12 08:17	12/25/12 05:04	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 05:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-731
Date Collected: 12/17/12 15:23
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**57**		50	19	ug/L		12/20/12 08:17	12/25/12 05:11	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 05:11	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 05:11	1
Copper	**3.1**	**J B**	25	0.29	ug/L		12/20/12 08:17	12/25/12 05:11	1
Thallium	2.0	U	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 05:11	1
Zinc	**4.0**	**J B**	10	2.3	ug/L		12/20/12 08:17	12/25/12 05:11	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 05:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-732
Date Collected: 12/17/12 15:33
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**24**	**J**	50	19	ug/L		12/20/12 08:17	12/25/12 05:18	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 05:18	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 05:18	1
Copper	**1.3**	**J B**	25	0.29	ug/L		12/20/12 08:17	12/25/12 05:18	1
Thallium	2.0	U	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 05:18	1
Zinc	10	U	10	2.3	ug/L		12/20/12 08:17	12/25/12 05:18	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 05:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121712-JY-733
Date Collected: 12/17/12 16:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		12/20/12 08:17	12/25/12 05:25	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 05:25	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 05:25	1
Copper	25	U	25	0.29	ug/L		12/20/12 08:17	12/25/12 05:25	1
Thallium	2.0	U	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 05:25	1
Zinc	**2.5**	**J B**	10	2.3	ug/L		12/20/12 08:17	12/25/12 05:25	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 05:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121812-JY-734
Date Collected: 12/18/12 09:05
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.50	U	0.50	0.036	ug/L		02/24/13 10:48	02/25/13 00:01	1
Aluminum	**5.3**	**J**	50	2.6	ug/L		02/24/13 10:48	02/25/13 00:01	1
Cadmium	0.50	U	0.50	0.11	ug/L		02/24/13 10:48	02/25/13 00:01	1
Copper	**0.84**	**J**	25	0.24	ug/L		02/24/13 10:48	02/25/13 00:01	1
Antimony	**0.043**	**J**	5.0	0.019	ug/L		02/24/13 10:48	02/25/13 00:01	1
Thallium	**0.028**	**J**	2.0	0.015	ug/L		02/24/13 10:48	02/25/13 00:01	1
Zinc	**1.5**	**J**	10	0.96	ug/L		02/24/13 10:48	02/25/13 00:01	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

Client Sample ID: GW-52222-121812-JY-735
Date Collected: 12/18/12 09:55
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.50	U	0.50	0.036	ug/L		02/24/13 10:48	02/25/13 00:06	1
Aluminum	**5.2**	**J**	50	2.6	ug/L		02/24/13 10:48	02/25/13 00:06	1
Cadmium	0.50	U	0.50	0.11	ug/L		02/24/13 10:48	02/25/13 00:06	1
Copper	**1.7**	**J**	25	0.24	ug/L		02/24/13 10:48	02/25/13 00:06	1
Antimony	**0.16**	**J**	5.0	0.019	ug/L		02/24/13 10:48	02/25/13 00:06	1
Thallium	**0.050**	**J**	2.0	0.015	ug/L		02/24/13 10:48	02/25/13 00:06	1
Zinc	**4.7**	**J**	10	0.96	ug/L		02/24/13 10:48	02/25/13 00:06	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121712-JY-725
Date Collected: 12/17/12 10:40
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/26/12 12:55	12/27/12 14:01	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121712-JY-726
Date Collected: 12/17/12 12:58
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13	J B	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 16:46	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121712-JY-727
Date Collected: 12/17/12 12:10
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 17:12	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121712-JY-728
Date Collected: 12/17/12 13:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 16:51	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121712-JY-729
Date Collected: 12/17/12 14:00
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13	J B	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 16:52	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121712-JY-730
Date Collected: 12/17/12 14:50
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 16:53	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121712-JY-731
Date Collected: 12/17/12 15:23
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 17:02	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121712-JY-732
Date Collected: 12/17/12 15:33
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 17:22	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121712-JY-733
Date Collected: 12/17/12 16:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 17:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121812-JY-734
Date Collected: 12/18/12 09:05
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 17:05	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-121812-JY-735
Date Collected: 12/18/12 09:55
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 17:19	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

General Chemistry

Client Sample ID: GW-52222-121712-JY-725
Date Collected: 12/17/12 10:40
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55**		5.0	0.50	mg/L			12/20/12 05:48	5
Sulfate	**32**		5.0	0.60	mg/L			12/20/12 05:48	5
Ammonia (as N)	**0.28**	**B**	0.20	0.035	mg/L			12/28/12 09:38	1
Phenols, Total	**0.016**	**J**	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:40	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:50	1
Alkalinity	**320**		5.0	2.7	mg/L			12/27/12 13:01	1
Total Phosphorus as P	0.10	U	0.10	0.033	mg/L		12/31/12 06:50	12/31/12 14:03	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			12/19/12 07:56	1
Chemical Oxygen Demand	20	U	20	10	mg/L		01/03/13 10:46	01/03/13 14:08	1

General Chemistry

Client Sample ID: GW-52222-121712-JY-726
Date Collected: 12/17/12 12:58
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68**		1.0	0.10	mg/L			12/20/12 06:08	1
Sulfate	**12**		1.0	0.12	mg/L			12/20/12 06:08	1
Ammonia (as N)	**0.049**	**J B**	0.20	0.035	mg/L			12/28/12 10:29	1
Phenols, Total	**0.0075**	**J**	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:42	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:50	1
Alkalinity	**390**		5.0	2.7	mg/L			12/27/12 13:26	1
Total Phosphorus as P	0.10	U	0.10	0.033	mg/L		12/31/12 06:31	12/31/12 13:57	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			12/19/12 07:02	1
Chemical Oxygen Demand	20	U	20	10	mg/L		01/03/13 10:46	01/03/13 14:08	1

General Chemistry

Client Sample ID: GW-52222-121712-JY-727
Date Collected: 12/17/12 12:10
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		5.0	0.50	mg/L			12/20/12 07:09	5
Sulfate	**6.8**		1.0	0.12	mg/L			12/27/12 16:31	1
Ammonia (as N)	**0.24**	**B**	0.20	0.035	mg/L			12/28/12 10:52	1
Phenols, Total	**0.0075**	**J**	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:45	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:55	1
Alkalinity	**280**		5.0	2.7	mg/L			12/27/12 14:09	1
Total Phosphorus as P	0.10	U	0.10	0.033	mg/L		12/31/12 06:51	12/31/12 14:00	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			12/19/12 08:16	1
Chemical Oxygen Demand	20	U	20	10	mg/L		01/03/13 10:46	01/03/13 14:10	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

General Chemistry

Client Sample ID: GW-52222-121712-JY-728
Date Collected: 12/17/12 13:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12**		5.0	0.50	mg/L			12/20/12 07:29	5
Sulfate	**12**		5.0	0.60	mg/L			12/20/12 07:29	5
Ammonia (as N)	**0.19**	**J B**	0.20	0.035	mg/L			12/28/12 11:00	1
Phenols, Total	**0.056**		0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:47	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:55	1
Alkalinity	**270**		5.0	2.7	mg/L			12/27/12 14:19	1
Total Phosphorus as P	**0.048**	**J**	0.10	0.033	mg/L		12/31/12 06:52	12/31/12 14:03	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			12/19/12 08:26	1
Chemical Oxygen Demand	20	U	20	10	mg/L		01/03/13 10:46	01/03/13 14:11	1

General Chemistry

Client Sample ID: GW-52222-121712-JY-729
Date Collected: 12/17/12 14:00
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		5.0	0.50	mg/L			12/20/12 07:49	5
Sulfate	**2.5**		1.0	0.12	mg/L			12/27/12 16:51	1
Ammonia (as N)	**11**	**B**	1.0	0.18	mg/L			12/28/12 11:10	5
Phenols, Total	**0.016**	**J**	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:48	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:55	1
Alkalinity	**400**		5.0	2.7	mg/L			12/27/12 14:32	1
Total Phosphorus as P	**0.15**		0.10	0.033	mg/L		12/31/12 06:53	12/31/12 14:03	1
Biochemical Oxygen Demand	**9.6**		2.0	2.0	mg/L			12/19/12 08:32	1
Chemical Oxygen Demand	**21**		20	10	mg/L		01/03/13 10:46	01/03/13 14:11	1

General Chemistry

Client Sample ID: GW-52222-121712-JY-730
Date Collected: 12/17/12 14:50
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99**		5.0	0.50	mg/L			12/20/12 08:09	5
Sulfate	1.0	U	1.0	0.12	mg/L			12/27/12 17:12	1
Ammonia (as N)	**35**	**B**	1.0	0.18	mg/L			12/28/12 11:24	5
Phenols, Total	**33**		0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:49	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:55	1
Alkalinity	**480**		5.0	2.7	mg/L			12/27/12 14:46	1
Total Phosphorus as P	**0.53**		0.10	0.033	mg/L		12/31/12 06:56	12/31/12 14:33	1
Biochemical Oxygen Demand	**7.2**		2.0	2.0	mg/L			12/19/12 08:40	1
Chemical Oxygen Demand	**54**		20	10	mg/L		12/27/12 14:30	12/27/12 16:30	1

General Chemistry

Client Sample ID: GW-52222-121712-JY-731
Date Collected: 12/17/12 15:23
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		5.0	0.50	mg/L			12/20/12 08:29	5
Sulfate	**63**		5.0	0.60	mg/L			12/20/12 08:29	5
Ammonia (as N)	**0.61**	**B**	0.20	0.035	mg/L			12/28/12 12:47	1
Phenols, Total	**0.018**	**J**	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:53	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:55	1
Alkalinity	**580**		5.0	2.7	mg/L			12/27/12 15:06	1
Total Phosphorus as P	0.10	U	0.10	0.033	mg/L		12/31/12 07:00	12/31/12 14:33	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			12/19/12 08:48	1
Chemical Oxygen Demand	**26**		20	10	mg/L		12/27/12 14:30	12/27/12 16:31	1

General Chemistry

Client Sample ID: GW-52222-121712-JY-732
Date Collected: 12/17/12 15:33
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		5.0	0.50	mg/L			12/20/12 08:49	5
Sulfate	**73**		5.0	0.60	mg/L			12/20/12 08:49	5
Ammonia (as N)	**0.57**	**B**	0.20	0.035	mg/L			12/28/12 12:49	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:54	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:55	1
Alkalinity	**570**		5.0	2.7	mg/L			12/27/12 15:22	1
Total Phosphorus as P	0.10	U	0.10	0.033	mg/L		12/31/12 07:02	12/31/12 14:33	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			12/19/12 08:55	1
Chemical Oxygen Demand	**18**	**J**	20	10	mg/L		12/27/12 14:30	12/27/12 16:31	1

General Chemistry

Client Sample ID: GW-52222-121712-JY-733
Date Collected: 12/17/12 16:05
Date Received: 12/18/12 10:20

Lab Sample ID: 240-18996-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		5.0	0.50	mg/L			12/20/12 09:50	5
Sulfate	**16**		5.0	0.60	mg/L			12/20/12 09:50	5
Ammonia (as N)	**3.0**	**B**	0.20	0.035	mg/L			12/28/12 12:53	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:55	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:55	1
Alkalinity	**380**		5.0	2.7	mg/L			12/27/12 15:35	1
Total Phosphorus as P	**0.15**		0.10	0.033	mg/L		12/31/12 07:03	12/31/12 14:33	1
Biochemical Oxygen Demand	**7.4**		2.0	2.0	mg/L			12/19/12 09:01	1
Chemical Oxygen Demand	**54**		20	10	mg/L		12/27/12 14:30	12/27/12 16:32	1

General Chemistry

Client Sample ID: GW-52222-121812-JY-734
Date Collected: 12/18/12 09:05
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		5.0	0.50	mg/L			12/27/12 21:13	5
Sulfate	**0.28**	**J**	1.0	0.12	mg/L			12/28/12 15:59	1
Ammonia (as N)	**0.56**		0.20	0.035	mg/L			12/31/12 10:00	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:57	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/27/12 09:35	12/27/12 11:30	1
Alkalinity	**450**	**B**	5.0	2.7	mg/L			12/29/12 21:43	1
Total Phosphorus as P	**0.072**	**J**	0.10	0.033	mg/L		12/31/12 07:05	12/31/12 14:33	1
Biochemical Oxygen Demand	**30**		2.0	2.0	mg/L			12/19/12 15:10	1
Chemical Oxygen Demand	**67**		20	10	mg/L		12/31/12 13:00	12/31/12 16:55	1

General Chemistry

Client Sample ID: GW-52222-121812-JY-735
Date Collected: 12/18/12 09:55
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**200**		5.0	0.50	mg/L			12/27/12 21:34	5
Sulfate	**29**		5.0	0.60	mg/L			12/27/12 21:34	5
Ammonia (as N)	**49**		2.0	0.35	mg/L			12/31/12 10:02	10
Phenols, Total	**0.0075**	**J**	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:59	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/27/12 09:35	12/27/12 11:30	1
Alkalinity	**970**	**B**	5.0	2.7	mg/L			12/29/12 22:07	1
Total Phosphorus as P	0.10	U	0.10	0.033	mg/L		12/31/12 07:06	12/31/12 14:33	1
Biochemical Oxygen Demand	**4.8**		2.0	2.0	mg/L			12/19/12 14:58	1
Chemical Oxygen Demand	**120**		20	10	mg/L		12/31/12 13:00	12/31/12 16:57	1

General Chemistry

Client Sample ID: SW-52222-121812-JY-736
Date Collected: 12/18/12 10:58
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.0	J	4.0	1.8	mg/L			12/22/12 14:04	1
Hardness as calcium carbonate	320		5.0	3.1	mg/L			12/27/12 15:20	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

General Chemistry

Client Sample ID: SW-52222-121812-JY-737
Date Collected: 12/18/12 11:05
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			12/22/12 14:04	1
Hardness as calcium carbonate	**350**		5.0	3.1	mg/L			12/27/12 15:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

General Chemistry

Client Sample ID: SW-52222-121812-JY-738
Date Collected: 12/18/12 11:20
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.0	J	4.0	1.8	mg/L			12/22/12 14:04	1
Hardness as calcium carbonate	370		5.0	3.1	mg/L			12/27/12 15:23	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

General Chemistry

Client Sample ID: SW-52222-121812-JY-739
Date Collected: 12/18/12 11:30
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.0	J	4.0	1.8	mg/L			12/22/12 14:04	1
Hardness as calcium carbonate	350		5.0	3.1	mg/L			12/27/12 15:25	1

General Chemistry

Client Sample ID: SW-52222-121812-JY-740
Date Collected: 12/18/12 11:50
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			12/22/12 14:04	1
Hardness as calcium carbonate	**380**		5.0	3.1	mg/L			12/27/12 15:26	1

General Chemistry

Client Sample ID: SW-52222-121812-JY-741
Date Collected: 12/18/12 11:51
Date Received: 12/19/12 08:30

Lab Sample ID: 240-19072-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.0	J	4.0	1.8	mg/L			12/22/12 14:04	1
Hardness as calcium carbonate	360		5.0	3.1	mg/L			12/27/12 15:28	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

GC/MS VOA

Analysis Batch: 70039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-1	TB-52222-121712-JY-724	Total/NA	Water	8260B	
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	8260B	
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	8260B	
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	8260B	
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	8260B	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	8260B	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	8260B	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	8260B	
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	8260B	
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	8260B	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	8260B	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	8260B	
LCS 240-70039/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-70039/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 70455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-1	TB-52222-121812-742	Total/NA	Water	8260B	
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	8260B	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	8260B	
LCS 240-70455/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-70455/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 64632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total Recoverable	Water	3005A	
240-19072-3	GW-52222-121812-JY-735	Total Recoverable	Water	3005A	
LCS 180-64632/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 180-64632/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 180-64632/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 64704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total Recoverable	Water	6020	64632
240-19072-3	GW-52222-121812-JY-735	Total Recoverable	Water	6020	64632
LCS 180-64632/2-A	Lab Control Sample	Total Recoverable	Water	6020	64632
LCSD 180-64632/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	64632
MB 180-64632/1-A	Method Blank	Total Recoverable	Water	6020	64632

Prep Batch: 69534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total Recoverable	Water	3005A	
240-18996-3	GW-52222-121712-JY-726	Total Recoverable	Water	3005A	
240-18996-3 MS	GW-52222-121712-JY-726	Total Recoverable	Water	3005A	
240-18996-3 MS	GW-52222-121712-JY-726	Total Recoverable	Water	3005A	
240-18996-3 MSD	GW-52222-121712-JY-726	Total Recoverable	Water	3005A	
240-18996-3 MSD	GW-52222-121712-JY-726	Total Recoverable	Water	3005A	
240-18996-4	GW-52222-121712-JY-727	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 69534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-5	GW-52222-121712-JY-728	Total Recoverable	Water	3005A	
240-18996-6	GW-52222-121712-JY-729	Total Recoverable	Water	3005A	
240-18996-7	GW-52222-121712-JY-730	Total Recoverable	Water	3005A	
240-18996-8	GW-52222-121712-JY-731	Total Recoverable	Water	3005A	
240-18996-9	GW-52222-121712-JY-732	Total Recoverable	Water	3005A	
240-18996-10	GW-52222-121712-JY-733	Total Recoverable	Water	3005A	
LCS 240-69534/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-69534/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-69534/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 69973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total Recoverable	Water	6010B	69534
240-18996-3	GW-52222-121712-JY-726	Total Recoverable	Water	6010B	69534
240-18996-3 MS	GW-52222-121712-JY-726	Total Recoverable	Water	6010B	69534
240-18996-3 MSD	GW-52222-121712-JY-726	Total Recoverable	Water	6010B	69534
240-18996-4	GW-52222-121712-JY-727	Total Recoverable	Water	6010B	69534
240-18996-5	GW-52222-121712-JY-728	Total Recoverable	Water	6010B	69534
240-18996-6	GW-52222-121712-JY-729	Total Recoverable	Water	6010B	69534
240-18996-7	GW-52222-121712-JY-730	Total Recoverable	Water	6010B	69534
240-18996-8	GW-52222-121712-JY-731	Total Recoverable	Water	6010B	69534
240-18996-9	GW-52222-121712-JY-732	Total Recoverable	Water	6010B	69534
240-18996-10	GW-52222-121712-JY-733	Total Recoverable	Water	6010B	69534
LCS 240-69534/2-A	Lab Control Sample	Total Recoverable	Water	6010B	69534
MB 240-69534/1-A	Method Blank	Total Recoverable	Water	6010B	69534

Analysis Batch: 70110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total Recoverable	Water	6020	69534
240-18996-3	GW-52222-121712-JY-726	Total Recoverable	Water	6020	69534
240-18996-3 MS	GW-52222-121712-JY-726	Total Recoverable	Water	6020	69534
240-18996-3 MSD	GW-52222-121712-JY-726	Total Recoverable	Water	6020	69534
240-18996-4	GW-52222-121712-JY-727	Total Recoverable	Water	6020	69534
240-18996-5	GW-52222-121712-JY-728	Total Recoverable	Water	6020	69534
240-18996-6	GW-52222-121712-JY-729	Total Recoverable	Water	6020	69534
240-18996-7	GW-52222-121712-JY-730	Total Recoverable	Water	6020	69534
240-18996-8	GW-52222-121712-JY-731	Total Recoverable	Water	6020	69534
240-18996-9	GW-52222-121712-JY-732	Total Recoverable	Water	6020	69534
240-18996-10	GW-52222-121712-JY-733	Total Recoverable	Water	6020	69534
LCS 240-69534/3-A	Lab Control Sample	Total Recoverable	Water	6020	69534
MB 240-69534/1-A	Method Blank	Total Recoverable	Water	6020	69534

Prep Batch: 70129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	7470A	
LCS 240-70129/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-70129/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 70133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-4	SW-52222-121812-JY-736	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 70133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-5	SW-52222-121812-JY-737	Total Recoverable	Water	3005A	
240-19072-6	SW-52222-121812-JY-738	Total Recoverable	Water	3005A	
240-19072-7	SW-52222-121812-JY-739	Total Recoverable	Water	3005A	
240-19072-8	SW-52222-121812-JY-740	Total Recoverable	Water	3005A	
240-19072-9	SW-52222-121812-JY-741	Total Recoverable	Water	3005A	
LCS 240-70133/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-70133/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 70174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	7470A	
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	7470A	
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	7470A	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	7470A	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	7470A	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	7470A	
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	7470A	
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	7470A	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	7470A	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	7470A	
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	7470A	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	7470A	
LCS 240-70174/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-70174/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 70176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total Recoverable	Water	3005A	
240-19072-3	GW-52222-121812-JY-735	Total Recoverable	Water	3005A	
LCS 240-70176/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-70176/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 70397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	7470A	70129
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	7470A	70174
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	7470A	70174
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	7470A	70174
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	7470A	70174
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	7470A	70174
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	7470A	70174
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	7470A	70174
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	7470A	70174
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	7470A	70174
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	7470A	70174
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	7470A	70174
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	7470A	70174
LCS 240-70129/2-A	Lab Control Sample	Total/NA	Water	7470A	70129
LCS 240-70174/2-A	Lab Control Sample	Total/NA	Water	7470A	70174
MB 240-70129/1-A	Method Blank	Total/NA	Water	7470A	70129
MB 240-70174/1-A	Method Blank	Total/NA	Water	7470A	70174

Metals (Continued)

Analysis Batch: 70414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-4	SW-52222-121812-JY-736	Total Recoverable	Water	6010B	70133
240-19072-5	SW-52222-121812-JY-737	Total Recoverable	Water	6010B	70133
240-19072-6	SW-52222-121812-JY-738	Total Recoverable	Water	6010B	70133
240-19072-7	SW-52222-121812-JY-739	Total Recoverable	Water	6010B	70133
240-19072-8	SW-52222-121812-JY-740	Total Recoverable	Water	6010B	70133
240-19072-9	SW-52222-121812-JY-741	Total Recoverable	Water	6010B	70133
LCS 240-70133/2-A	Lab Control Sample	Total Recoverable	Water	6010B	70133
MB 240-70133/1-A	Method Blank	Total Recoverable	Water	6010B	70133

Analysis Batch: 70550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total Recoverable	Water	6010B	70176
240-19072-3	GW-52222-121812-JY-735	Total Recoverable	Water	6010B	70176
LCS 240-70176/2-A	Lab Control Sample	Total Recoverable	Water	6010B	70176
MB 240-70176/1-A	Method Blank	Total Recoverable	Water	6010B	70176

General Chemistry

Analysis Batch: 69331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	SM 5210B	
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	SM 5210B	
240-18996-3 DU	GW-52222-121712-JY-726	Total/NA	Water	SM 5210B	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	SM 5210B	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	SM 5210B	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	SM 5210B	
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	SM 5210B	
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	SM 5210B	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	SM 5210B	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	SM 5210B	
LCS 240-69331/3	Lab Control Sample	Total/NA	Water	SM 5210B	
SCB 240-69331/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 240-69331/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 69467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	300.0	
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	300.0	
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	300.0	
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	300.0	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	300.0	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	300.0	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	300.0	
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	300.0	
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	300.0	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	300.0	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	300.0	
LCS 240-69467/28	Lab Control Sample	Total/NA	Water	300.0	
MB 240-69467/27	Method Blank	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 69479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	SM 5210B	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	SM 5210B	
LCS 240-69479/3	Lab Control Sample	Total/NA	Water	SM 5210B	
SCB 240-69479/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 240-69479/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 69922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-4	SW-52222-121812-JY-736	Total/NA	Water	160.2	
240-19072-5	SW-52222-121812-JY-737	Total/NA	Water	160.2	
240-19072-6	SW-52222-121812-JY-738	Total/NA	Water	160.2	
240-19072-7	SW-52222-121812-JY-739	Total/NA	Water	160.2	
240-19072-8	SW-52222-121812-JY-740	Total/NA	Water	160.2	
240-19072-9	SW-52222-121812-JY-741	Total/NA	Water	160.2	
LCS 240-69922/2	Lab Control Sample	Total/NA	Water	160.2	
MB 240-69922/1	Method Blank	Total/NA	Water	160.2	

Prep Batch: 70103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	9012A	
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	9012A	
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	9012A	
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	9012A	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	9012A	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	9012A	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	9012A	
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	9012A	
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	9012A	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	9012A	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	9012A	
LCS 240-70103/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-70103/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 70187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	9012A	70103
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	9012A	70103
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	9012A	70103
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	9012A	70103
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	9012A	70103
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	9012A	70103
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	9012A	70103
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	9012A	70103
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	9012A	70103
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	9012A	70103
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	9012A	70103
LCS 240-70103/2-A	Lab Control Sample	Total/NA	Water	9012A	70103
MB 240-70103/1-A	Method Blank	Total/NA	Water	9012A	70103
MRL 240-70187/6 MRL	Lab Control Sample	Total/NA	Water	9012A	

General Chemistry (Continued)

Prep Batch: 70232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	9012A	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	9012A	
LCS 240-70232/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-70232/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 70236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	300.0	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	300.0	
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	300.0	
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	300.0	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	300.0	
LCS 240-70236/28	Lab Control Sample	Total/NA	Water	300.0	
LCS 240-70236/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 240-70236/52	Lab Control Sample	Total/NA	Water	300.0	
MB 240-70236/27	Method Blank	Total/NA	Water	300.0	
MB 240-70236/3	Method Blank	Total/NA	Water	300.0	
MB 240-70236/51	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 70279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	9012A	70232
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	9012A	70232
LCS 240-70232/2-A	Lab Control Sample	Total/NA	Water	9012A	70232
MB 240-70232/1-A	Method Blank	Total/NA	Water	9012A	70232
MRL 240-70279/6 MRL	Lab Control Sample	Total/NA	Water	9012A	

Prep Batch: 70318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	SM 5220	
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	SM 5220	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	SM 5220	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	SM 5220	
LCS 240-70318/4-A	Lab Control Sample	Total/NA	Water	SM 5220	
MB 240-70318/3-A	Method Blank	Total/NA	Water	SM 5220	

Analysis Batch: 70320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-4	SW-52222-121812-JY-736	Total/NA	Water	SM 2340C	
240-19072-5	SW-52222-121812-JY-737	Total/NA	Water	SM 2340C	
240-19072-6	SW-52222-121812-JY-738	Total/NA	Water	SM 2340C	
240-19072-7	SW-52222-121812-JY-739	Total/NA	Water	SM 2340C	
240-19072-8	SW-52222-121812-JY-740	Total/NA	Water	SM 2340C	
240-19072-9	SW-52222-121812-JY-741	Total/NA	Water	SM 2340C	
240-19072-9 DU	SW-52222-121812-JY-741	Total/NA	Water	SM 2340C	
LCS 240-70320/2	Lab Control Sample	Total/NA	Water	SM 2340C	
MB 240-70320/1	Method Blank	Total/NA	Water	SM 2340C	

Analysis Batch: 70328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	SM 5220D	70318

General Chemistry (Continued)

Analysis Batch: 70328 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	SM 5220D	70318
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	SM 5220D	70318
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	SM 5220D	70318
LCS 240-70318/4-A	Lab Control Sample	Total/NA	Water	SM 5220D	70318
MB 240-70318/3-A	Method Blank	Total/NA	Water	SM 5220D	70318

Analysis Batch: 70343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	SM 2320B	
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	SM 2320B	
240-18996-3 DU	GW-52222-121712-JY-726	Total/NA	Water	SM 2320B	
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	SM 2320B	
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	SM 2320B	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	SM 2320B	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	SM 2320B	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	SM 2320B	
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	SM 2320B	
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	SM 2320B	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	SM 2320B	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	SM 2320B	
LCS 240-70343/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 240-70343/4	Method Blank	Total/NA	Water	SM 2320B	

Prep Batch: 70396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	Distill/Phenol	
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	Distill/Phenol	
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	Distill/Phenol	
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	Distill/Phenol	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	Distill/Phenol	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	Distill/Phenol	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	Distill/Phenol	
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	Distill/Phenol	
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	Distill/Phenol	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	Distill/Phenol	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	Distill/Phenol	
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	Distill/Phenol	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	Distill/Phenol	
LCS 240-70396/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 240-70396/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 70483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	350.3	
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	350.3	
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	350.3	
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	350.3	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	350.3	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	350.3	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	350.3	
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	350.3	

General Chemistry (Continued)

Analysis Batch: 70483 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	350.3	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	350.3	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	350.3	
LCS 240-70483/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-70483/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 70486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	300.0	
240-19072-2 MS	GW-52222-121812-JY-734	Total/NA	Water	300.0	
LCS 240-70486/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-70486/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 70510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	420.1	70396
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	420.1	70396
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	420.1	70396
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	420.1	70396
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	420.1	70396
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	420.1	70396
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	420.1	70396
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	420.1	70396
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	420.1	70396
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	420.1	70396
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	420.1	70396
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	420.1	70396
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	420.1	70396
LCS 240-70396/2-A	Lab Control Sample	Total/NA	Water	420.1	70396
MB 240-70396/1-A	Method Blank	Total/NA	Water	420.1	70396

Analysis Batch: 70639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	SM 2320B	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	SM 2320B	
LCS 240-70639/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 240-70639/5	Method Blank	Total/NA	Water	SM 2320B	

Prep Batch: 70668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	365.2/365.3/365	
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	365.2/365.3/365	
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	365.2/365.3/365	
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	365.2/365.3/365	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	365.2/365.3/365	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	365.2/365.3/365	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	365.2/365.3/365	
LCS 240-70668/11-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MB 240-70668/10-A	Method Blank	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 70675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	365.2/365.3/365	
240-18996-7 MS	GW-52222-121712-JY-730	Total/NA	Water	365.2/365.3/365	
240-18996-7 MSD	GW-52222-121712-JY-730	Total/NA	Water	365.2/365.3/365	
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	365.2/365.3/365	
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	365.2/365.3/365	
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	365.2/365.3/365	
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	365.2/365.3/365	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	365.2/365.3/365	
LCS 240-70675/4-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MB 240-70675/3-A	Method Blank	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 70760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	350.3	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	350.3	
LCS 240-70760/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-70760/7	Method Blank	Total/NA	Water	350.3	

Prep Batch: 70775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	SM 5220	
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	SM 5220	
LCS 240-70775/4-A	Lab Control Sample	Total/NA	Water	SM 5220	
MB 240-70775/3-A	Method Blank	Total/NA	Water	SM 5220	

Analysis Batch: 70776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	SM 4500 P E	70668
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	SM 4500 P E	70668
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	SM 4500 P E	70668
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	SM 4500 P E	70668
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	SM 4500 P E	70668
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	SM 4500 P E	70668
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	SM 4500 P E	70668
LCS 240-70668/11-A	Lab Control Sample	Total/NA	Water	SM 4500 P E	70668
MB 240-70668/10-A	Method Blank	Total/NA	Water	SM 4500 P E	70668

Analysis Batch: 70778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-7	GW-52222-121712-JY-730	Total/NA	Water	SM 4500 P E	70675
240-18996-7 MS	GW-52222-121712-JY-730	Total/NA	Water	SM 4500 P E	70675
240-18996-7 MSD	GW-52222-121712-JY-730	Total/NA	Water	SM 4500 P E	70675
240-18996-8	GW-52222-121712-JY-731	Total/NA	Water	SM 4500 P E	70675
240-18996-9	GW-52222-121712-JY-732	Total/NA	Water	SM 4500 P E	70675
240-18996-10	GW-52222-121712-JY-733	Total/NA	Water	SM 4500 P E	70675
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	SM 4500 P E	70675
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	SM 4500 P E	70675
LCS 240-70675/4-A	Lab Control Sample	Total/NA	Water	SM 4500 P E	70675
MB 240-70675/3-A	Method Blank	Total/NA	Water	SM 4500 P E	70675

General Chemistry (Continued)

Analysis Batch: 70789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-19072-2	GW-52222-121812-JY-734	Total/NA	Water	SM 5220D	70775
240-19072-3	GW-52222-121812-JY-735	Total/NA	Water	SM 5220D	70775
LCS 240-70775/4-A	Lab Control Sample	Total/NA	Water	SM 5220D	70775
MB 240-70775/3-A	Method Blank	Total/NA	Water	SM 5220D	70775

Prep Batch: 71003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	SM 5220	
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	SM 5220	
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	SM 5220	
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	SM 5220	
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	SM 5220	
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	SM 5220	
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	SM 5220	
LCS 240-71003/4-A	Lab Control Sample	Total/NA	Water	SM 5220	
MB 240-71003/3-A	Method Blank	Total/NA	Water	SM 5220	

Analysis Batch: 71022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-18996-2	GW-52222-121712-JY-725	Total/NA	Water	SM 5220D	71003
240-18996-3	GW-52222-121712-JY-726	Total/NA	Water	SM 5220D	71003
240-18996-3 MS	GW-52222-121712-JY-726	Total/NA	Water	SM 5220D	71003
240-18996-3 MSD	GW-52222-121712-JY-726	Total/NA	Water	SM 5220D	71003
240-18996-4	GW-52222-121712-JY-727	Total/NA	Water	SM 5220D	71003
240-18996-5	GW-52222-121712-JY-728	Total/NA	Water	SM 5220D	71003
240-18996-6	GW-52222-121712-JY-729	Total/NA	Water	SM 5220D	71003
LCS 240-71003/4-A	Lab Control Sample	Total/NA	Water	SM 5220D	71003
MB 240-71003/3-A	Method Blank	Total/NA	Water	SM 5220D	71003

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

Lab Sample ID: MB 240-70039/5
Matrix: Water
Analysis Batch: 70039

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/25/12 00:13	1
Benzene	1.0	U	1.0	0.13	ug/L			12/25/12 00:13	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/25/12 00:13	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/25/12 00:13	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/25/12 00:13	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/25/12 00:13	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/25/12 00:13	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/25/12 00:13	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/25/12 00:13	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/25/12 00:13	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/25/12 00:13	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/25/12 00:13	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/25/12 00:13	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 00:13	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 00:13	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/25/12 00:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/25/12 00:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/25/12 00:13	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/25/12 00:13	1
2-Hexanone	10	U	10	0.41	ug/L			12/25/12 00:13	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/25/12 00:13	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/25/12 00:13	1
Styrene	1.0	U	1.0	0.11	ug/L			12/25/12 00:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/25/12 00:13	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/25/12 00:13	1
Toluene	1.0	U	1.0	0.13	ug/L			12/25/12 00:13	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 00:13	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/25/12 00:13	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/25/12 00:13	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/25/12 00:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/25/12 00:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/25/12 00:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/25/12 00:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 00:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/25/12 00:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/25/12 00:13	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/25/12 00:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 129*		*12/25/12 00:13*	*1*
4-Bromofluorobenzene (Surr)	*88*		*66 - 117*		*12/25/12 00:13*	*1*
Toluene-d8 (Surr)	*93*		*74 - 115*		*12/25/12 00:13*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 121*		*12/25/12 00:13*	*1*

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

Lab Sample ID: LCS 240-70039/4
Matrix: Water
Analysis Batch: 70039

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.8		ug/L		84	43 - 136
Benzene	10.0	8.96		ug/L		90	83 - 112
Bromodichloromethane	10.0	9.03		ug/L		90	72 - 121
Bromoform	10.0	9.51		ug/L		95	40 - 131
Bromomethane	10.0	7.13		ug/L		71	11 - 185
2-Butanone (MEK)	20.0	14.5		ug/L		72	60 - 126
Carbon disulfide	10.0	8.09		ug/L		81	62 - 142
Carbon tetrachloride	10.0	9.86		ug/L		99	66 - 128
Chlorobenzene	10.0	9.13		ug/L		91	85 - 110
Chloroethane	10.0	5.61		ug/L		56	25 - 153
Chloroform	10.0	9.13		ug/L		91	79 - 117
Chloromethane	10.0	5.77		ug/L		58	44 - 126
1,1-Dichloroethane	10.0	8.57		ug/L		86	82 - 115
1,2-Dichloroethane	10.0	8.32		ug/L		83	71 - 127
1,1-Dichloroethene	10.0	9.74		ug/L		97	78 - 131
1,2-Dichloropropane	10.0	8.36		ug/L		84	81 - 115
cis-1,3-Dichloropropene	10.0	7.85		ug/L		78	61 - 115
trans-1,3-Dichloropropene	10.0	6.36		ug/L		64	58 - 117
Ethylbenzene	10.0	9.15		ug/L		91	83 - 112
2-Hexanone	20.0	13.0		ug/L		65	55 - 133
Methylene Chloride	10.0	8.25		ug/L		82	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	14.7		ug/L		73	63 - 128
Styrene	10.0	8.92		ug/L		89	79 - 114
1,1,2,2-Tetrachloroethane	10.0	7.03		ug/L		70	68 - 118
Tetrachloroethene	10.0	10.6		ug/L		106	79 - 114
Toluene	10.0	8.50		ug/L		85	84 - 111
Trichloroethene	10.0	11.3		ug/L		113	76 - 117
Vinyl chloride	10.0	6.63		ug/L		66	53 - 127
1,1,1-Trichloroethane	10.0	9.45		ug/L		94	74 - 118
1,1,2-Trichloroethane	10.0	8.96		ug/L		90	80 - 112
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	80 - 113
trans-1,2-Dichloroethene	10.0	9.95		ug/L		99	83 - 117
1,2-Dichlorobenzene	10.0	9.00		ug/L		90	81 - 110
1,3-Dichlorobenzene	10.0	8.94		ug/L		89	80 - 110
1,4-Dichlorobenzene	10.0	8.63		ug/L		86	82 - 110
Dibromochloromethane	10.0	9.02		ug/L		90	64 - 119
m-Xylene & p-Xylene	20.0	18.0		ug/L		90	83 - 113
o-Xylene	10.0	9.24		ug/L		92	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*
4-Bromofluorobenzene (Surr)	*94*		*66 - 117*
Toluene-d8 (Surr)	*92*		*74 - 115*
Dibromofluoromethane (Surr)	*106*		*75 - 121*

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

Lab Sample ID: 240-18996-3 MS
Matrix: Water
Analysis Batch: 70039

Client Sample ID: GW-52222-121712-JY-726
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	20.0	11.9		ug/L		59	33 - 145
Benzene	0.58	J	10.0	9.63		ug/L		90	72 - 121
Bromodichloromethane	1.0	U	10.0	9.26		ug/L		93	67 - 120
Bromoform	1.0	U	10.0	10.2		ug/L		102	32 - 128
Bromomethane	1.0	U	10.0	6.61		ug/L		66	10 - 186
2-Butanone (MEK)	10	U	20.0	12.9		ug/L		65	54 - 129
Carbon disulfide	1.0	U	10.0	8.67		ug/L		87	57 - 147
Carbon tetrachloride	1.0	U	10.0	10.3		ug/L		103	59 - 129
Chlorobenzene	1.0	U	10.0	8.92		ug/L		89	80 - 110
Chloroethane	1.0	U	10.0	6.45		ug/L		64	21 - 165
Chloroform	1.0	U	10.0	9.19		ug/L		92	76 - 118
Chloromethane	1.0	U	10.0	5.24		ug/L		52	33 - 132
1,1-Dichloroethane	1.0	U	10.0	8.67		ug/L		87	79 - 116
1,2-Dichloroethane	1.0	U	10.0	8.30		ug/L		83	68 - 129
1,1-Dichloroethene	1.0	U	10.0	10.1		ug/L		101	74 - 135
1,2-Dichloropropane	1.0	U	10.0	8.42		ug/L		84	78 - 115
cis-1,3-Dichloropropene	1.0	U	10.0	7.91		ug/L		79	51 - 110
trans-1,3-Dichloropropene	1.0	U	10.0	5.99		ug/L		60	46 - 116
Ethylbenzene	1.0	U	10.0	9.00		ug/L		90	75 - 116
2-Hexanone	10	U	20.0	13.0		ug/L		65	47 - 139
Methylene Chloride	1.0	U	10.0	7.95		ug/L		79	63 - 128
4-Methyl-2-pentanone (MIBK)	10	U	20.0	14.6		ug/L		73	56 - 131
Styrene	1.0	U	10.0	8.74		ug/L		87	71 - 117
1,1,2,2-Tetrachloroethane	1.0	U	10.0	7.17		ug/L		72	63 - 122
Tetrachloroethene	1.0	U	10.0	10.5		ug/L		105	70 - 117
Toluene	0.76	J	10.0	9.01		ug/L		83	78 - 114
Trichloroethene	1.0	U	10.0	11.3		ug/L		113	66 - 120
Vinyl chloride	1.0	U	10.0	6.53		ug/L		65	49 - 130
1,1,1-Trichloroethane	1.0	U	10.0	9.59		ug/L		96	68 - 121
1,1,2-Trichloroethane	1.0	U	10.0	8.78		ug/L		88	75 - 115
cis-1,2-Dichloroethene	1.0	U	10.0	10.1		ug/L		101	70 - 120
trans-1,2-Dichloroethene	1.0	U	10.0	9.89		ug/L		99	80 - 119
1,2-Dichlorobenzene	1.0	U	10.0	8.69		ug/L		87	75 - 111
1,3-Dichlorobenzene	1.0	U	10.0	8.81		ug/L		88	73 - 110
1,4-Dichlorobenzene	1.0	U	10.0	8.61		ug/L		86	75 - 110
Dibromochloromethane	1.0	U	10.0	9.28		ug/L		93	56 - 118
m-Xylene & p-Xylene	2.0		20.0	17.8		ug/L		89	75 - 117
o-Xylene	1.0		10.0	8.93		ug/L		89	76 - 116

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*63 - 129*
4-Bromofluorobenzene (Surr)	*88*		*66 - 117*
Toluene-d8 (Surr)	*88*		*74 - 115*
Dibromofluoromethane (Surr)	*106*		*75 - 121*

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

Lab Sample ID: 240-18996-3 MSD
Matrix: Water
Analysis Batch: 70039

Client Sample ID: GW-52222-121712-JY-726
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10	U	20.0	13.9		ug/L		70	33 - 145	16	30
Benzene	0.58	J	10.0	9.73		ug/L		91	72 - 121	1	30
Bromodichloromethane	1.0	U	10.0	9.36		ug/L		94	67 - 120	1	30
Bromoform	1.0	U	10.0	10.7		ug/L		107	32 - 128	5	30
Bromomethane	1.0	U	10.0	6.75		ug/L		67	10 - 186	2	30
2-Butanone (MEK)	10	U	20.0	13.8		ug/L		69	54 - 129	7	30
Carbon disulfide	1.0	U	10.0	8.78		ug/L		88	57 - 147	1	30
Carbon tetrachloride	1.0	U	10.0	10.5		ug/L		105	59 - 129	2	30
Chlorobenzene	1.0	U	10.0	9.28		ug/L		93	80 - 110	4	30
Chloroethane	1.0	U	10.0	6.24		ug/L		62	21 - 165	3	30
Chloroform	1.0	U	10.0	9.15		ug/L		92	76 - 118	0	30
Chloromethane	1.0	U	10.0	5.10		ug/L		51	33 - 132	3	30
1,1-Dichloroethane	1.0	U	10.0	8.69		ug/L		87	79 - 116	0	30
1,2-Dichloroethane	1.0	U	10.0	8.25		ug/L		83	68 - 129	1	30
1,1-Dichloroethene	1.0	U	10.0	10.0		ug/L		100	74 - 135	0	30
1,2-Dichloropropane	1.0	U	10.0	8.63		ug/L		86	78 - 115	3	30
cis-1,3-Dichloropropene	1.0	U	10.0	8.25		ug/L		83	51 - 110	4	30
trans-1,3-Dichloropropene	1.0	U	10.0	6.53		ug/L		65	46 - 116	9	30
Ethylbenzene	1.0	U	10.0	9.42		ug/L		94	75 - 116	4	30
2-Hexanone	10	U	20.0	13.6		ug/L		68	47 - 139	4	30
Methylene Chloride	1.0	U	10.0	8.11		ug/L		81	63 - 128	2	30
4-Methyl-2-pentanone (MIBK)	10	U	20.0	15.0		ug/L		75	56 - 131	3	30
Styrene	1.0	U	10.0	9.29		ug/L		93	71 - 117	6	30
1,1,2,2-Tetrachloroethane	1.0	U	10.0	7.06		ug/L		71	63 - 122	1	30
Tetrachloroethene	1.0	U	10.0	10.5		ug/L		105	70 - 117	0	30
Toluene	0.76	J	10.0	9.33		ug/L		86	78 - 114	4	30
Trichloroethene	1.0	U	10.0	11.6		ug/L		116	66 - 120	2	30
Vinyl chloride	1.0	U	10.0	6.83		ug/L		68	49 - 130	5	30
1,1,1-Trichloroethane	1.0	U	10.0	9.80		ug/L		98	68 - 121	2	30
1,1,2-Trichloroethane	1.0	U	10.0	8.94		ug/L		89	75 - 115	2	30
cis-1,2-Dichloroethene	1.0	U	10.0	10.2		ug/L		102	70 - 120	2	30
trans-1,2-Dichloroethene	1.0	U	10.0	10.0		ug/L		100	80 - 119	1	30
1,2-Dichlorobenzene	1.0	U	10.0	9.23		ug/L		92	75 - 111	6	30
1,3-Dichlorobenzene	1.0	U	10.0	9.37		ug/L		94	73 - 110	6	30
1,4-Dichlorobenzene	1.0	U	10.0	9.18		ug/L		92	75 - 110	6	30
Dibromochloromethane	1.0	U	10.0	9.56		ug/L		96	56 - 118	3	30
m-Xylene & p-Xylene	2.0		20.0	18.5		ug/L		93	75 - 117	4	30
o-Xylene	1.0		10.0	9.59		ug/L		96	76 - 116	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 129*
4-Bromofluorobenzene (Surr)	*91*		*66 - 117*
Toluene-d8 (Surr)	*89*		*74 - 115*
Dibromofluoromethane (Surr)	*105*		*75 - 121*

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

Lab Sample ID: MB 240-70455/5
Matrix: Water
Analysis Batch: 70455

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/28/12 12:28	1
Benzene	0.138	J	1.0	0.13	ug/L			12/28/12 12:28	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			12/28/12 12:28	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/28/12 12:28	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/28/12 12:28	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/28/12 12:28	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/28/12 12:28	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/28/12 12:28	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/28/12 12:28	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/28/12 12:28	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/28/12 12:28	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/28/12 12:28	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/28/12 12:28	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/28/12 12:28	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/28/12 12:28	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/28/12 12:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/28/12 12:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/28/12 12:28	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/28/12 12:28	1
2-Hexanone	10	U	10	0.41	ug/L			12/28/12 12:28	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/28/12 12:28	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/28/12 12:28	1
Styrene	1.0	U	1.0	0.11	ug/L			12/28/12 12:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/28/12 12:28	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/28/12 12:28	1
Toluene	1.0	U	1.0	0.13	ug/L			12/28/12 12:28	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/28/12 12:28	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/28/12 12:28	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			12/28/12 12:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/28/12 12:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/28/12 12:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/28/12 12:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/28/12 12:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/28/12 12:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/28/12 12:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/28/12 12:28	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			12/28/12 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*12/28/12 12:28*	*1*
4-Bromofluorobenzene (Surr)	*93*		*66 - 117*		*12/28/12 12:28*	*1*
Toluene-d8 (Surr)	*96*		*74 - 115*		*12/28/12 12:28*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 121*		*12/28/12 12:28*	*1*

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

Lab Sample ID: LCS 240-70455/4
Matrix: Water
Analysis Batch: 70455

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.3		ug/L		77	43 - 136
Benzene	10.0	9.92		ug/L		99	83 - 112
Bromodichloromethane	10.0	9.68		ug/L		97	72 - 121
Bromoform	10.0	8.61		ug/L		86	40 - 131
Bromomethane	10.0	8.76		ug/L		88	11 - 185
2-Butanone (MEK)	20.0	15.8		ug/L		79	60 - 126
Carbon disulfide	10.0	9.82		ug/L		98	62 - 142
Carbon tetrachloride	10.0	10.4		ug/L		104	66 - 128
Chlorobenzene	10.0	9.71		ug/L		97	85 - 110
Chloroethane	10.0	9.57		ug/L		96	25 - 153
Chloroform	10.0	9.39		ug/L		94	79 - 117
Chloromethane	10.0	9.51		ug/L		95	44 - 126
1,1-Dichloroethane	10.0	9.74		ug/L		97	82 - 115
1,2-Dichloroethane	10.0	9.31		ug/L		93	71 - 127
1,1-Dichloroethene	10.0	9.71		ug/L		97	78 - 131
1,2-Dichloropropane	10.0	9.82		ug/L		98	81 - 115
cis-1,3-Dichloropropene	10.0	8.92		ug/L		89	61 - 115
trans-1,3-Dichloropropene	10.0	8.66		ug/L		87	58 - 117
Ethylbenzene	10.0	10.2		ug/L		102	83 - 112
2-Hexanone	20.0	17.3		ug/L		87	55 - 133
Methylene Chloride	10.0	9.81		ug/L		98	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	17.4		ug/L		87	63 - 128
Styrene	10.0	10.5		ug/L		105	79 - 114
1,1,2,2-Tetrachloroethane	10.0	7.98		ug/L		80	68 - 118
Tetrachloroethene	10.0	10.2		ug/L		102	79 - 114
Toluene	10.0	9.83		ug/L		98	84 - 111
Trichloroethene	10.0	10.4		ug/L		104	76 - 117
Vinyl chloride	10.0	8.02		ug/L		80	53 - 127
1,1,1-Trichloroethane	10.0	10.4		ug/L		104	74 - 118
1,1,2-Trichloroethane	10.0	9.46		ug/L		95	80 - 112
cis-1,2-Dichloroethene	10.0	9.99		ug/L		100	80 - 113
trans-1,2-Dichloroethene	10.0	9.91		ug/L		99	83 - 117
1,2-Dichlorobenzene	10.0	9.79		ug/L		98	81 - 110
1,3-Dichlorobenzene	10.0	9.74		ug/L		97	80 - 110
1,4-Dichlorobenzene	10.0	9.52		ug/L		95	82 - 110
Dibromochloromethane	10.0	9.23		ug/L		92	64 - 119
m-Xylene & p-Xylene	20.0	20.7		ug/L		104	83 - 113
o-Xylene	10.0	10.7		ug/L		107	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 129*
4-Bromofluorobenzene (Surr)	*103*		*66 - 117*
Toluene-d8 (Surr)	*101*		*74 - 115*
Dibromofluoromethane (Surr)	*96*		*75 - 121*

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-69534/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 69973 — **Prep Batch: 69534**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		12/20/12 08:17	12/21/12 17:13	1
Barium	1.43	J	100	0.67	ug/L		12/20/12 08:17	12/21/12 17:13	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/20/12 08:17	12/21/12 17:13	1
Calcium	304	J	5000	130	ug/L		12/20/12 08:17	12/21/12 17:13	1
Cobalt	7.0	U	7.0	1.7	ug/L		12/20/12 08:17	12/21/12 17:13	1
Chromium	5.0	U	5.0	2.2	ug/L		12/20/12 08:17	12/21/12 17:13	1
Iron	100	U	100	81	ug/L		12/20/12 08:17	12/21/12 17:13	1
Potassium	1000	U	1000	72	ug/L		12/20/12 08:17	12/21/12 17:13	1
Magnesium	75.5	J	1000	34	ug/L		12/20/12 08:17	12/21/12 17:13	1
Manganese	0.569	J	15	0.41	ug/L		12/20/12 08:17	12/21/12 17:13	1
Sodium	1000	U	1000	590	ug/L		12/20/12 08:17	12/21/12 17:13	1
Nickel	20	U	20	3.2	ug/L		12/20/12 08:17	12/21/12 17:13	1
Lead	3.0	U	3.0	1.9	ug/L		12/20/12 08:17	12/21/12 17:13	1
Selenium	5.0	U	5.0	4.1	ug/L		12/20/12 08:17	12/21/12 17:13	1
Vanadium	4.0	U	4.0	0.64	ug/L		12/20/12 08:17	12/21/12 17:13	1

Lab Sample ID: LCS 240-69534/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 69973 — **Prep Batch: 69534**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	2000		ug/L		100	80 - 120
Barium	2000	1910		ug/L		95	80 - 120
Beryllium	50.0	47.7		ug/L		95	80 - 120
Calcium	50000	48400		ug/L		97	80 - 120
Cobalt	500	479		ug/L		96	80 - 120
Chromium	200	199		ug/L		100	80 - 120
Iron	1000	993		ug/L		99	80 - 120
Potassium	50000	47200		ug/L		94	80 - 120
Magnesium	50000	48000		ug/L		96	80 - 120
Manganese	500	494		ug/L		99	80 - 120
Sodium	50000	47600		ug/L		95	80 - 120
Nickel	500	481		ug/L		96	80 - 120
Lead	500	485		ug/L		97	80 - 120
Selenium	2000	2050		ug/L		103	80 - 120
Vanadium	500	493		ug/L		99	80 - 120

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 69973 — **Prep Batch: 69534**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.0	U	2000	2130		ug/L		106	75 - 125
Barium	54	J B	2000	2080		ug/L		101	75 - 125
Beryllium	1.0	U	50.0	50.1		ug/L		100	75 - 125
Calcium	140000	B	50000	187000		ug/L		101	75 - 125
Cobalt	7.0	U	500	506		ug/L		101	75 - 125
Chromium	5.0	U	200	208		ug/L		104	75 - 125

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

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 69973 — **Prep Batch: 69534**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	100	U	1000	1070		ug/L		107	75 - 125
Potassium	1400		50000	51900		ug/L		101	75 - 125
Magnesium	24000	B	50000	74400		ug/L		100	75 - 125
Manganese	1.9	J B	500	518		ug/L		103	75 - 125
Sodium	21000		50000	71800		ug/L		101	75 - 125
Nickel	20	U	500	507		ug/L		101	75 - 125
Lead	3.0	U	500	507		ug/L		101	75 - 125
Selenium	5.0	U	2000	2160		ug/L		108	75 - 125
Vanadium	4.0	U	500	520		ug/L		104	75 - 125

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 69973 — **Prep Batch: 69534**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.0	U	2000	2120		ug/L		106	75 - 125	0	20
Barium	54	J B	2000	2070		ug/L		101	75 - 125	0	20
Beryllium	1.0	U	50.0	49.9		ug/L		100	75 - 125	0	20
Calcium	140000	B	50000	186000		ug/L		98	75 - 125	1	20
Cobalt	7.0	U	500	505		ug/L		101	75 - 125	0	20
Chromium	5.0	U	200	207		ug/L		103	75 - 125	1	20
Iron	100	U	1000	1060		ug/L		106	75 - 125	1	20
Potassium	1400		50000	51700		ug/L		100	75 - 125	0	20
Magnesium	24000	B	50000	74000		ug/L		99	75 - 125	0	20
Manganese	1.9	J B	500	515		ug/L		103	75 - 125	1	20
Sodium	21000		50000	71500		ug/L		100	75 - 125	0	20
Nickel	20	U	500	505		ug/L		101	75 - 125	0	20
Lead	3.0	U	500	504		ug/L		101	75 - 125	1	20
Selenium	5.0	U	2000	2150		ug/L		107	75 - 125	1	20
Vanadium	4.0	U	500	518		ug/L		104	75 - 125	0	20

Lab Sample ID: MB 240-70133/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 70414 — **Prep Batch: 70133**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	313	J	5000	130	ug/L		12/26/12 11:04	12/27/12 09:16	1
Magnesium	175	J	1000	34	ug/L		12/26/12 11:04	12/27/12 09:16	1

Lab Sample ID: LCS 240-70133/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 70414 — **Prep Batch: 70133**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	50000	50800		ug/L		102	80 - 120
Magnesium	50000	52000		ug/L		104	80 - 120

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

Lab Sample ID: MB 240-70176/1-A
Matrix: Water
Analysis Batch: 70550

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 70176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		12/27/12 07:13	12/28/12 19:19	1
Barium	1.09	J	100	0.67	ug/L		12/27/12 07:13	12/28/12 19:19	1
Beryllium	1.0	U	1.0	0.46	ug/L		12/27/12 07:13	12/28/12 19:19	1
Calcium	385	J	5000	130	ug/L		12/27/12 07:13	12/28/12 19:19	1
Cobalt	7.0	U	7.0	1.7	ug/L		12/27/12 07:13	12/28/12 19:19	1
Chromium	5.0	U	5.0	2.2	ug/L		12/27/12 07:13	12/28/12 19:19	1
Iron	100	U	100	81	ug/L		12/27/12 07:13	12/28/12 19:19	1
Potassium	113	J	1000	72	ug/L		12/27/12 07:13	12/28/12 19:19	1
Magnesium	67.2	J	1000	34	ug/L		12/27/12 07:13	12/28/12 19:19	1
Manganese	1.72	J	15	0.41	ug/L		12/27/12 07:13	12/28/12 19:19	1
Sodium	1000	U	1000	590	ug/L		12/27/12 07:13	12/28/12 19:19	1
Nickel	20	U	20	3.2	ug/L		12/27/12 07:13	12/28/12 19:19	1
Lead	3.0	U	3.0	1.9	ug/L		12/27/12 07:13	12/28/12 19:19	1
Selenium	5.0	U	5.0	4.1	ug/L		12/27/12 07:13	12/28/12 19:19	1
Vanadium	1.07	J	4.0	0.64	ug/L		12/27/12 07:13	12/28/12 19:19	1

Lab Sample ID: LCS 240-70176/2-A
Matrix: Water
Analysis Batch: 70550

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 70176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	2000		ug/L		100	80 - 120
Barium	2000	1850		ug/L		93	80 - 120
Beryllium	50.0	47.1		ug/L		94	80 - 120
Calcium	50000	48800		ug/L		98	80 - 120
Cobalt	500	482		ug/L		96	80 - 120
Chromium	200	192		ug/L		96	80 - 120
Iron	1000	1010		ug/L		101	80 - 120
Potassium	50000	47700		ug/L		95	80 - 120
Magnesium	50000	48600		ug/L		97	80 - 120
Manganese	500	484		ug/L		97	80 - 120
Sodium	50000	47100		ug/L		94	80 - 120
Nickel	500	502		ug/L		100	80 - 120
Lead	500	487		ug/L		97	80 - 120
Selenium	2000	1930		ug/L		97	80 - 120
Vanadium	500	491		ug/L		98	80 - 120

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-64632/1-A
Matrix: Water
Analysis Batch: 64704

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 64632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.50	U	0.50	0.036	ug/L		02/24/13 10:48	02/24/13 23:32	1
Aluminum	50	U	50	2.6	ug/L		02/24/13 10:48	02/24/13 23:32	1
Cadmium	0.50	U	0.50	0.11	ug/L		02/24/13 10:48	02/24/13 23:32	1
Copper	25	U	25	0.24	ug/L		02/24/13 10:48	02/24/13 23:32	1

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

Lab Sample ID: MB 180-64632/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 64704 — **Prep Batch: 64632**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	0.019	ug/L		02/24/13 10:48	02/24/13 23:32	1
Thallium	2.0	U	2.0	0.015	ug/L		02/24/13 10:48	02/24/13 23:32	1
Zinc	10	U	10	0.96	ug/L		02/24/13 10:48	02/24/13 23:32	1

Lab Sample ID: LCS 180-64632/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 64704 — **Prep Batch: 64632**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	48.6		ug/L		97	80 - 120
Aluminum	2000	1800		ug/L		90	80 - 120
Cadmium	50.0	50.6		ug/L		101	80 - 120
Copper	250	236		ug/L		95	80 - 120
Antimony	500	477		ug/L		95	80 - 120
Thallium	50.0	46.9		ug/L		94	80 - 120
Zinc	500	494		ug/L		99	80 - 120

Lab Sample ID: LCSD 180-64632/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 64704 — **Prep Batch: 64632**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	50.0	48.1		ug/L		96	80 - 120	1	20
Aluminum	2000	1760		ug/L		88	80 - 120	2	20
Cadmium	50.0	49.4		ug/L		99	80 - 120	2	20
Copper	250	231		ug/L		92	80 - 120	2	20
Antimony	500	468		ug/L		94	80 - 120	2	20
Thallium	50.0	46.1		ug/L		92	80 - 120	2	20
Zinc	500	483		ug/L		97	80 - 120	2	20

Lab Sample ID: MB 240-69534/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 70110 — **Prep Batch: 69534**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		12/20/12 08:17	12/25/12 03:00	1
Antimony	5.0	U	5.0	0.13	ug/L		12/20/12 08:17	12/25/12 03:00	1
Cadmium	0.50	U	0.50	0.13	ug/L		12/20/12 08:17	12/25/12 03:00	1
Copper	0.672	J	25	0.29	ug/L		12/20/12 08:17	12/25/12 03:00	1
Thallium	0.179	J	2.0	0.14	ug/L		12/20/12 08:17	12/25/12 03:00	1
Zinc	11.9		10	2.3	ug/L		12/20/12 08:17	12/25/12 03:00	1
Silver	0.50	U	0.50	0.080	ug/L		12/20/12 08:17	12/25/12 03:00	1

Lab Sample ID: LCS 240-69534/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 70110 — **Prep Batch: 69534**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9360		ug/L		94	80 - 120

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

Lab Sample ID: LCS 240-69534/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 70110 — **Prep Batch: 69534**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	100	86.4		ug/L		86	80 - 120
Cadmium	1000	858		ug/L		86	80 - 120
Copper	1000	858		ug/L		86	80 - 120
Thallium	250	222		ug/L		89	80 - 120
Zinc	1000	913		ug/L		91	80 - 120
Silver	100	86.5		ug/L		87	80 - 120

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 70110 — **Prep Batch: 69534**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	50	U	10000	10000		ug/L		100	63 - 128
Antimony	5.0	U	100	94.2		ug/L		94	44 - 153
Cadmium	0.50	U	1000	910		ug/L		91	78 - 117
Copper	0.71	J B	1000	876		ug/L		88	60 - 123
Thallium	0.63	J B	250	257		ug/L		102	69 - 117
Zinc	10	U	1000	918		ug/L		92	49 - 156
Silver	0.50	U	100	91.0		ug/L		91	10 - 139

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 70110 — **Prep Batch: 69534**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	50	U	10000	10100		ug/L		101	63 - 128	1	20
Antimony	5.0	U	100	95.8		ug/L		96	44 - 153	2	20
Cadmium	0.50	U	1000	925		ug/L		93	78 - 117	2	20
Copper	0.71	J B	1000	891		ug/L		89	60 - 123	2	20
Thallium	0.63	J B	250	260		ug/L		104	69 - 117	1	20
Zinc	10	U	1000	944		ug/L		94	49 - 156	3	20
Silver	0.50	U	100	91.6		ug/L		92	10 - 139	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-70129/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70397 — **Prep Batch: 70129**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		12/26/12 12:55	12/27/12 13:37	1

Lab Sample ID: LCS 240-70129/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70397 — **Prep Batch: 70129**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.05		ug/L		81	81 - 123

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 240-70174/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70397 — **Prep Batch: 70174**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.151	J	0.20	0.12	ug/L		12/27/12 10:25	12/27/12 16:43	1

Lab Sample ID: LCS 240-70174/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70397 — **Prep Batch: 70174**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.72		ug/L		94	81 - 123

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70397 — **Prep Batch: 70174**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.13	J B	1.00	1.04		ug/L		92	69 - 134

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70397 — **Prep Batch: 70174**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.13	J B	1.00	1.04		ug/L		92	69 - 134	0	20

Method: 160.2 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-69922/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			12/22/12 14:04	1

Lab Sample ID: LCS 240-69922/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	62.4	50.0		mg/L		80	73 - 113

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-69467/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			12/20/12 01:46	1
Sulfate	1.0	U	1.0	0.12	mg/L			12/20/12 01:46	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-69467/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	52.8		mg/L		106	90 - 110
Sulfate	50.0	52.7		mg/L		105	90 - 110

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	68		50.0	118		mg/L		98	80 - 120
Sulfate	12		50.0	64.9		mg/L		105	80 - 120

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69467

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	68		50.0	116		mg/L		95	80 - 120	1	20
Sulfate	12		50.0	63.1		mg/L		101	80 - 120	3	20

Lab Sample ID: MB 240-70236/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			12/27/12 19:13	1
Sulfate	1.0	U	1.0	0.12	mg/L			12/27/12 19:13	1

Lab Sample ID: MB 240-70236/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			12/27/12 10:59	1
Sulfate	1.0	U	1.0	0.12	mg/L			12/27/12 10:59	1

Lab Sample ID: MB 240-70236/51 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			12/28/12 03:16	1
Sulfate	1.0	U	1.0	0.12	mg/L			12/28/12 03:16	1

Lab Sample ID: LCS 240-70236/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.2		mg/L		100	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-70236/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	50.6		mg/L		101	90 - 110

Lab Sample ID: LCS 240-70236/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.3		mg/L		101	90 - 110
Sulfate	50.0	50.7		mg/L		101	90 - 110

Lab Sample ID: LCS 240-70236/52 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.2		mg/L		100	90 - 110
Sulfate	50.0	50.5		mg/L		101	90 - 110

Lab Sample ID: MB 240-70486/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70486

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			12/28/12 14:39	1
Sulfate	1.0	U	1.0	0.12	mg/L			12/28/12 14:39	1

Lab Sample ID: LCS 240-70486/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.4		mg/L		101	90 - 110
Sulfate	50.0	50.6		mg/L		101	90 - 110

Lab Sample ID: 240-19072-2 MS — **Client Sample ID: GW-52222-121812-JY-734**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70486

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	0.28	J	50.0	52.6		mg/L		105	80 - 120

Method: 350.3 - Nitrogen, Ammonia

Lab Sample ID: MB 240-70483/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70483

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.0557	J	0.20	0.035	mg/L			12/28/12 09:22	1

Method: 350.3 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 240-70483/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70483

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	8.93	8.98		mg/L		101	85 - 114

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70483

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	0.049	J B	2.50	2.61		mg/L		102	75 - 125

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70483

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia (as N)	0.049	J B	2.50	2.66		mg/L		104	75 - 125	2	20

Lab Sample ID: MB 240-70760/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.20	U	0.20	0.035	mg/L			12/31/12 09:22	1

Lab Sample ID: LCS 240-70760/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	8.93	8.62		mg/L		97	85 - 114

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 240-70396/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70510 — **Prep Batch: 70396**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	0.040	U	0.040	0.0073	mg/L		12/28/12 06:00	12/28/12 14:38	1

Lab Sample ID: LCS 240-70396/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70510 — **Prep Batch: 70396**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.309	0.315		mg/L		102	54 - 137

Method: 420.1 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70510 — **Prep Batch: 70396**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Phenols, Total	0.0075	J	0.100	0.108		mg/L		101	10 - 155		

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70510 — **Prep Batch: 70396**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenols, Total	0.0075	J	0.100	0.113		mg/L		105	10 - 155	4	20

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-70103/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70187 — **Prep Batch: 70103**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/26/12 10:11	12/26/12 13:50	1

Lab Sample ID: LCS 240-70103/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70187 — **Prep Batch: 70103**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0498	0.0459		mg/L		92	69 - 118

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70187 — **Prep Batch: 70103**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.010	U	0.0400	0.0407		mg/L		102	42 - 140		

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70187 — **Prep Batch: 70103**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.0400	0.0420		mg/L		105	42 - 140	3	20

Lab Sample ID: MRL 240-70187/6 MRL — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70187

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0100	0.00910	J	mg/L		91	70 - 130

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: MB 240-70232/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70279 — **Prep Batch: 70232**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/27/12 09:35	12/27/12 11:24	1

Lab Sample ID: LCS 240-70232/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70279 — **Prep Batch: 70232**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0498	0.0429		mg/L		86	69 - 118

Lab Sample ID: MRL 240-70279/6 MRL — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70279

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0100	0.00827	J	mg/L		83	70 - 130

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 240-70343/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	2.7	mg/L			12/27/12 10:07	1

Lab Sample ID: LCS 240-70343/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	58.7	58.5		mg/L		100	90 - 127

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	390		500	523		mg/L		27	10 - 160

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	390		500	538		mg/L		30	10 - 160	3	24

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 240-18996-3 DU — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70343

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	390			376		mg/L				3	20

Lab Sample ID: MB 240-70639/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70639

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	2.81	J	5.0	2.7	mg/L			12/29/12 20:15	1

Lab Sample ID: LCS 240-70639/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70639

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			58.7	58.7		mg/L		100	90 - 127		

Method: SM 2340C - Hardness, Total

Lab Sample ID: MB 240-70320/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	5.0	U	5.0	3.1	mg/L			12/27/12 15:05	1

Lab Sample ID: LCS 240-70320/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70320

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Hardness as calcium carbonate			255	252		mg/L		99	88 - 110		

Lab Sample ID: 240-19072-9 DU — **Client Sample ID: SW-52222-121812-JY-741**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70320

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Hardness as calcium carbonate	360			359		mg/L				0.5	20

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 240-70668/10-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70776 — **Prep Batch: 70668**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	0.10	U	0.10	0.033	mg/L		12/31/12 06:29	12/31/12 14:05	1

Method: SM 4500 P E - Phosphorus (Continued)

Lab Sample ID: LCS 240-70668/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70776 — **Prep Batch: 70668**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Phosphorus as P			5.50	5.71		mg/L		104	53 - 134		

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70776 — **Prep Batch: 70668**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Phosphorus as P	0.10	U	0.500	0.530		mg/L		106	10 - 199		

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70776 — **Prep Batch: 70668**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Phosphorus as P	0.10	U	0.500	0.516		mg/L		103	10 - 199	3	20

Lab Sample ID: MB 240-70675/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70778 — **Prep Batch: 70675**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	0.10	U	0.10	0.033	mg/L		12/31/12 06:53	12/31/12 14:33	1

Lab Sample ID: LCS 240-70675/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70778 — **Prep Batch: 70675**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Phosphorus as P			5.50	5.81		mg/L		106	53 - 134		

Lab Sample ID: 240-18996-7 MS — **Client Sample ID: GW-52222-121712-JY-730**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70778 — **Prep Batch: 70675**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Phosphorus as P	0.53		0.500	0.939		mg/L		81	10 - 199		

Lab Sample ID: 240-18996-7 MSD — **Client Sample ID: GW-52222-121712-JY-730**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70778 — **Prep Batch: 70675**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Phosphorus as P	0.53		0.500	0.988		mg/L		91	10 - 199	5	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 240-69331/2 SCB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69331

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			12/19/12 06:57	1

Lab Sample ID: USB 240-69331/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69331

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			12/19/12 06:54	1

Lab Sample ID: LCS 240-69331/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	209		mg/L		106	85 - 115

Lab Sample ID: 240-18996-3 DU — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69331

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	2.0	U	2.0	U	mg/L		NC	20

Lab Sample ID: SCB 240-69479/2 SCB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69479

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			12/19/12 14:26	1

Lab Sample ID: USB 240-69479/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69479

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			12/19/12 14:22	1

Lab Sample ID: LCS 240-69479/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 69479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	207		mg/L		105	85 - 115

Method: SM 5220D - COD

Lab Sample ID: MB 240-70318/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70328 — **Prep Batch: 70318**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	20	U	20	10	mg/L		12/27/12 14:30	12/27/12 16:20	1

Lab Sample ID: LCS 240-70318/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70328 — **Prep Batch: 70318**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	122	126		mg/L		103	90 - 110

Lab Sample ID: MB 240-70775/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70789 — **Prep Batch: 70775**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	20	U	20	10	mg/L		12/31/12 13:00	12/31/12 16:51	1

Lab Sample ID: LCS 240-70775/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 70789 — **Prep Batch: 70775**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	122	134		mg/L		110	90 - 110

Lab Sample ID: MB 240-71003/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71022 — **Prep Batch: 71003**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	20	U	20	10	mg/L		01/03/13 10:46	01/03/13 14:06	1

Lab Sample ID: LCS 240-71003/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71022 — **Prep Batch: 71003**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	122	118		mg/L		97	90 - 110

Lab Sample ID: 240-18996-3 MS — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71022 — **Prep Batch: 71003**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	20	U	111	117		mg/L		106	90 - 110

Lab Sample ID: 240-18996-3 MSD — **Client Sample ID: GW-52222-121712-JY-726**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 71022 — **Prep Batch: 71003**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	20	U	111	109		mg/L		98	90 - 110	8	20

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-129)	(66-117)	(74-115)	(75-121)
240-18996-1	TB-52222-121712-JY-724	87	80	83	107
240-18996-2	GW-52222-121712-JY-725	89	85	86	107
240-18996-3	GW-52222-121712-JY-726	87	82	86	107
240-18996-3 MS	GW-52222-121712-JY-726	85	88	88	106
240-18996-3 MSD	GW-52222-121712-JY-726	84	91	89	105
240-18996-4	GW-52222-121712-JY-727	90	84	87	110
240-18996-5	GW-52222-121712-JY-728	87	82	85	108
240-18996-6	GW-52222-121712-JY-729	88	84	83	106
240-18996-7	GW-52222-121712-JY-730	89	85	88	104
240-18996-8	GW-52222-121712-JY-731	85	81	85	103
240-18996-9	GW-52222-121712-JY-732	86	81	86	104
240-18996-10	GW-52222-121712-JY-733	84	83	86	102
240-19072-1	TB-52222-121812-742	96	87	97	104
240-19072-2	GW-52222-121812-JY-734	96	89	93	104
240-19072-3	GW-52222-121812-JY-735	93	95	92	101
LCS 240-70039/4	Lab Control Sample	89	94	92	106
LCS 240-70455/4	Lab Control Sample	93	103	101	96
MB 240-70039/5	Method Blank	93	88	93	112
MB 240-70455/5	Method Blank	92	93	96	100

Surrogate Legend

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

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: TB-52222-121712-JY-724

Lab Sample ID: 240-18996-1

Date Collected: 12/17/12 00:00
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 04:18	LW	TAL NC

Client Sample ID: GW-52222-121712-JY-725

Lab Sample ID: 240-18996-2

Date Collected: 12/17/12 10:40
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 04:40	LW	TAL NC
Total Recoverable	Prep	3005A			69534	12/20/12 08:17	SG	TAL NC
Total Recoverable	Analysis	6010B		1	69973	12/21/12 18:04	RT	TAL NC
Total Recoverable	Analysis	6020		1	70110	12/25/12 04:35	NJT	TAL NC
Total/NA	Prep	7470A			70129	12/26/12 12:55	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 14:01	DH	TAL NC
Total/NA	Analysis	SM 5210B		1	69331	12/19/12 07:56	TH	TAL NC
Total/NA	Analysis	300.0		5	69467	12/20/12 05:48	LG	TAL NC
Total/NA	Prep	9012A			70103	12/26/12 10:11	AM	TAL NC
Total/NA	Analysis	9012A		1	70187	12/26/12 13:50	AM	TAL NC
Total/NA	Analysis	SM 2320B		1	70343	12/27/12 13:01	OC	TAL NC
Total/NA	Analysis	350.3		1	70483	12/28/12 09:38	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:40	JK	TAL NC
Total/NA	Prep	365.2/365.3/365			70668	12/31/12 06:50	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70776	12/31/12 14:03	TH	TAL NC
Total/NA	Prep	SM 5220			71003	01/03/13 10:46	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	71022	01/03/13 14:08	JB	TAL NC

Client Sample ID: GW-52222-121712-JY-726

Lab Sample ID: 240-18996-3

Date Collected: 12/17/12 12:58
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 07:39	LW	TAL NC
Total Recoverable	Prep	3005A			69534	12/20/12 08:17	SG	TAL NC
Total Recoverable	Analysis	6010B		1	69973	12/21/12 17:21	RT	TAL NC
Total Recoverable	Analysis	6020		1	70110	12/25/12 03:15	NJT	TAL NC
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 16:46	DH	TAL NC
Total/NA	Analysis	SM 5210B		1	69331	12/19/12 07:02	TH	TAL NC
Total/NA	Analysis	300.0		1	69467	12/20/12 06:08	LG	TAL NC
Total/NA	Prep	9012A			70103	12/26/12 10:11	AM	TAL NC
Total/NA	Analysis	9012A		1	70187	12/26/12 13:50	AM	TAL NC
Total/NA	Analysis	SM 2320B		1	70343	12/27/12 13:26	OC	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121712-JY-726

Lab Sample ID: 240-18996-3

Date Collected: 12/17/12 12:58
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.3		1	70483	12/28/12 10:29	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:42	JK	TAL NC
Total/NA	Prep	365.2/365.3/365			70668	12/31/12 06:31	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70776	12/31/12 13:57	TH	TAL NC
Total/NA	Prep	SM 5220			71003	01/03/13 10:46	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	71022	01/03/13 14:08	JB	TAL NC

Client Sample ID: GW-52222-121712-JY-727

Lab Sample ID: 240-18996-4

Date Collected: 12/17/12 12:10
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 05:02	LW	TAL NC
Total Recoverable	Prep	3005A			69534	12/20/12 08:17	SG	TAL NC
Total Recoverable	Analysis	6010B		1	69973	12/21/12 18:08	RT	TAL NC
Total Recoverable	Analysis	6020		1	70110	12/25/12 04:42	NJT	TAL NC
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 17:12	DH	TAL NC
Total/NA	Analysis	SM 5210B		1	69331	12/19/12 08:16	TH	TAL NC
Total/NA	Analysis	300.0		5	69467	12/20/12 07:09	LG	TAL NC
Total/NA	Prep	9012A			70103	12/26/12 10:11	AM	TAL NC
Total/NA	Analysis	9012A		1	70187	12/26/12 13:55	AM	TAL NC
Total/NA	Analysis	300.0		1	70236	12/27/12 16:31	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	70343	12/27/12 14:09	OC	TAL NC
Total/NA	Analysis	350.3		1	70483	12/28/12 10:52	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:45	JK	TAL NC
Total/NA	Prep	365.2/365.3/365			70668	12/31/12 06:51	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70776	12/31/12 14:00	TH	TAL NC
Total/NA	Prep	SM 5220			71003	01/03/13 10:46	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	71022	01/03/13 14:10	JB	TAL NC

Client Sample ID: GW-52222-121712-JY-728

Lab Sample ID: 240-18996-5

Date Collected: 12/17/12 13:05
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 05:25	LW	TAL NC
Total Recoverable	Prep	3005A			69534	12/20/12 08:17	SG	TAL NC
Total Recoverable	Analysis	6010B		1	69973	12/21/12 18:11	RT	TAL NC
Total Recoverable	Analysis	6020		1	70110	12/25/12 04:49	NJT	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121712-JY-728

Lab Sample ID: 240-18996-5

Date Collected: 12/17/12 13:05
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 16:51	DH	TAL NC
Total/NA	Analysis	SM 5210B		1	69331	12/19/12 08:26	TH	TAL NC
Total/NA	Analysis	300.0		5	69467	12/20/12 07:29	LG	TAL NC
Total/NA	Prep	9012A			70103	12/26/12 10:11	AM	TAL NC
Total/NA	Analysis	9012A		1	70187	12/26/12 13:55	AM	TAL NC
Total/NA	Analysis	SM 2320B		1	70343	12/27/12 14:19	OC	TAL NC
Total/NA	Analysis	350.3		1	70483	12/28/12 11:00	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:47	JK	TAL NC
Total/NA	Prep	365.2/365.3/365			70668	12/31/12 06:52	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70776	12/31/12 14:03	TH	TAL NC
Total/NA	Prep	SM 5220			71003	01/03/13 10:46	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	71022	01/03/13 14:11	JB	TAL NC

Client Sample ID: GW-52222-121712-JY-729

Lab Sample ID: 240-18996-6

Date Collected: 12/17/12 14:00
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 05:47	LW	TAL NC
Total Recoverable	Prep	3005A			69534	12/20/12 08:17	SG	TAL NC
Total Recoverable	Analysis	6010B		1	69973	12/21/12 18:15	RT	TAL NC
Total Recoverable	Analysis	6020		1	70110	12/25/12 04:57	NJT	TAL NC
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 16:52	DH	TAL NC
Total/NA	Analysis	SM 5210B		1	69331	12/19/12 08:32	TH	TAL NC
Total/NA	Analysis	300.0		5	69467	12/20/12 07:49	LG	TAL NC
Total/NA	Prep	9012A			70103	12/26/12 10:11	AM	TAL NC
Total/NA	Analysis	9012A		1	70187	12/26/12 13:55	AM	TAL NC
Total/NA	Analysis	300.0		1	70236	12/27/12 16:51	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	70343	12/27/12 14:32	OC	TAL NC
Total/NA	Analysis	350.3		5	70483	12/28/12 11:10	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:48	JK	TAL NC
Total/NA	Prep	365.2/365.3/365			70668	12/31/12 06:53	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70776	12/31/12 14:03	TH	TAL NC
Total/NA	Prep	SM 5220			71003	01/03/13 10:46	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	71022	01/03/13 14:11	JB	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121712-JY-730

Lab Sample ID: 240-18996-7

Date Collected: 12/17/12 14:50
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 06:09	LW	TAL NC
Total Recoverable	Prep	3005A			69534	12/20/12 08:17	SG	TAL NC
Total Recoverable	Analysis	6010B		1	69973	12/21/12 18:27	RT	TAL NC
Total Recoverable	Analysis	6020		1	70110	12/25/12 05:04	NJT	TAL NC
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 16:53	DH	TAL NC
Total/NA	Analysis	SM 5210B		1	69331	12/19/12 08:40	TH	TAL NC
Total/NA	Analysis	300.0		5	69467	12/20/12 08:09	LG	TAL NC
Total/NA	Prep	9012A			70103	12/26/12 10:11	AM	TAL NC
Total/NA	Analysis	9012A		1	70187	12/26/12 13:55	AM	TAL NC
Total/NA	Analysis	300.0		1	70236	12/27/12 17:12	LG	TAL NC
Total/NA	Prep	SM 5220			70318	12/27/12 14:30	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	70328	12/27/12 16:30	JB	TAL NC
Total/NA	Analysis	SM 2320B		1	70343	12/27/12 14:46	OC	TAL NC
Total/NA	Analysis	350.3		5	70483	12/28/12 11:24	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:49	JK	TAL NC
Total/NA	Prep	365.2/365.3/365			70675	12/31/12 06:56	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70778	12/31/12 14:33	TH	TAL NC

Client Sample ID: GW-52222-121712-JY-731

Lab Sample ID: 240-18996-8

Date Collected: 12/17/12 15:23
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 06:31	LW	TAL NC
Total Recoverable	Prep	3005A			69534	12/20/12 08:17	SG	TAL NC
Total Recoverable	Analysis	6010B		1	69973	12/21/12 18:31	RT	TAL NC
Total Recoverable	Analysis	6020		1	70110	12/25/12 05:11	NJT	TAL NC
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 17:02	DH	TAL NC
Total/NA	Analysis	SM 5210B		1	69331	12/19/12 08:48	TH	TAL NC
Total/NA	Analysis	300.0		5	69467	12/20/12 08:29	LG	TAL NC
Total/NA	Prep	9012A			70103	12/26/12 10:11	AM	TAL NC
Total/NA	Analysis	9012A		1	70187	12/26/12 13:55	AM	TAL NC
Total/NA	Prep	SM 5220			70318	12/27/12 14:30	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	70328	12/27/12 16:31	JB	TAL NC
Total/NA	Analysis	SM 2320B		1	70343	12/27/12 15:06	OC	TAL NC
Total/NA	Analysis	350.3		1	70483	12/28/12 12:47	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:53	JK	TAL NC
Total/NA	Prep	365.2/365.3/365			70675	12/31/12 07:00	TH	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121712-JY-731

Lab Sample ID: 240-18996-8
Date Collected: 12/17/12 15:23
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 P E		1	70778	12/31/12 14:33	TH	TAL NC

Client Sample ID: GW-52222-121712-JY-732

Lab Sample ID: 240-18996-9
Date Collected: 12/17/12 15:33
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 06:54	LW	TAL NC
Total Recoverable	Prep	3005A			69534	12/20/12 08:17	SG	TAL NC
Total Recoverable	Analysis	6010B		1	69973	12/21/12 18:35	RT	TAL NC
Total Recoverable	Analysis	6020		1	70110	12/25/12 05:18	NJT	TAL NC
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 17:22	DH	TAL NC
Total/NA	Analysis	SM 5210B		1	69331	12/19/12 08:55	TH	TAL NC
Total/NA	Analysis	300.0		5	69467	12/20/12 08:49	LG	TAL NC
Total/NA	Prep	9012A			70103	12/26/12 10:11	AM	TAL NC
Total/NA	Analysis	9012A		1	70187	12/26/12 13:55	AM	TAL NC
Total/NA	Prep	SM 5220			70318	12/27/12 14:30	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	70328	12/27/12 16:31	JB	TAL NC
Total/NA	Analysis	SM 2320B		1	70343	12/27/12 15:22	OC	TAL NC
Total/NA	Analysis	350.3		1	70483	12/28/12 12:49	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:54	JK	TAL NC
Total/NA	Prep	365.2/365.3/365			70675	12/31/12 07:02	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70778	12/31/12 14:33	TH	TAL NC

Client Sample ID: GW-52222-121712-JY-733

Lab Sample ID: 240-18996-10
Date Collected: 12/17/12 16:05
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70039	12/25/12 07:16	LW	TAL NC
Total Recoverable	Prep	3005A			69534	12/20/12 08:17	SG	TAL NC
Total Recoverable	Analysis	6010B		1	69973	12/21/12 18:39	RT	TAL NC
Total Recoverable	Analysis	6020		1	70110	12/25/12 05:25	NJT	TAL NC
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 17:18	DH	TAL NC
Total/NA	Analysis	SM 5210B		1	69331	12/19/12 09:01	TH	TAL NC
Total/NA	Analysis	300.0		5	69467	12/20/12 09:50	LG	TAL NC
Total/NA	Prep	9012A			70103	12/26/12 10:11	AM	TAL NC
Total/NA	Analysis	9012A		1	70187	12/26/12 13:55	AM	TAL NC
Total/NA	Prep	SM 5220			70318	12/27/12 14:30	JB	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121712-JY-733

Lab Sample ID: 240-18996-10

Date Collected: 12/17/12 16:05
Matrix: Water
Date Received: 12/18/12 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	70328	12/27/12 16:32	JB	TAL NC
Total/NA	Analysis	SM 2320B		1	70343	12/27/12 15:35	OC	TAL NC
Total/NA	Analysis	350.3		1	70483	12/28/12 12:53	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:55	JK	TAL NC
Total/NA	Prep	365.2/365.3/365			70675	12/31/12 07:03	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70778	12/31/12 14:33	TH	TAL NC

Client Sample ID: TB-52222-121812-742

Lab Sample ID: 240-19072-1

Date Collected: 12/18/12 00:00
Matrix: Water
Date Received: 12/19/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	70455	12/28/12 18:40	LW	TAL NC

Client Sample ID: GW-52222-121812-JY-734

Lab Sample ID: 240-19072-2

Date Collected: 12/18/12 09:05
Matrix: Water
Date Received: 12/19/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.667	70455	12/28/12 20:05	LW	TAL NC
Total Recoverable	Prep	3005A			64632	02/24/13 10:48	CH	TAL PIT
Total Recoverable	Analysis	6020		1	64704	02/25/13 00:01	BR	TAL PIT
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 17:05	DH	TAL NC
Total Recoverable	Prep	3005A			70176	12/27/12 07:13	SG	TAL NC
Total Recoverable	Analysis	6010B		1	70550	12/28/12 20:59	RT	TAL NC
Total/NA	Analysis	SM 5210B		1	69479	12/19/12 15:10	BW	TAL NC
Total/NA	Analysis	300.0		5	70236	12/27/12 21:13	LG	TAL NC
Total/NA	Prep	9012A			70232	12/27/12 09:35	BW	TAL NC
Total/NA	Analysis	9012A		1	70279	12/27/12 11:30	BW	TAL NC
Total/NA	Analysis	300.0		1	70486	12/28/12 15:59	LG	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:57	JK	TAL NC
Total/NA	Analysis	SM 2320B		1	70639	12/29/12 21:43	JB	TAL NC
Total/NA	Analysis	350.3		1	70760	12/31/12 10:00	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			70675	12/31/12 07:05	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70778	12/31/12 14:33	TH	TAL NC
Total/NA	Prep	SM 5220			70775	12/31/12 13:00	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	70789	12/31/12 16:55	JB	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: GW-52222-121812-JY-735

Lab Sample ID: 240-19072-3

Date Collected: 12/18/12 09:55
Matrix: Water
Date Received: 12/19/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	70455	12/28/12 19:01	LW	TAL NC
Total Recoverable	Prep	3005A			64632	02/24/13 10:48	CH	TAL PIT
Total Recoverable	Analysis	6020		1	64704	02/25/13 00:06	BR	TAL PIT
Total/NA	Prep	7470A			70174	12/27/12 10:25	SG	TAL NC
Total/NA	Analysis	7470A		1	70397	12/27/12 17:19	DH	TAL NC
Total Recoverable	Prep	3005A			70176	12/27/12 07:13	SG	TAL NC
Total Recoverable	Analysis	6010B		1	70550	12/28/12 21:03	RT	TAL NC
Total/NA	Analysis	SM 5210B		1	69479	12/19/12 14:58	BW	TAL NC
Total/NA	Analysis	300.0		5	70236	12/27/12 21:34	LG	TAL NC
Total/NA	Prep	9012A			70232	12/27/12 09:35	BW	TAL NC
Total/NA	Analysis	9012A		1	70279	12/27/12 11:30	BW	TAL NC
Total/NA	Prep	Distill/Phenol			70396	12/28/12 06:00	JK	TAL NC
Total/NA	Analysis	420.1		1	70510	12/28/12 14:59	JK	TAL NC
Total/NA	Analysis	SM 2320B		1	70639	12/29/12 22:07	JB	TAL NC
Total/NA	Analysis	350.3		10	70760	12/31/12 10:02	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			70675	12/31/12 07:06	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	70778	12/31/12 14:33	TH	TAL NC
Total/NA	Prep	SM 5220			70775	12/31/12 13:00	JB	TAL NC
Total/NA	Analysis	SM 5220D		1	70789	12/31/12 16:57	JB	TAL NC

Client Sample ID: SW-52222-121812-JY-736

Lab Sample ID: 240-19072-4

Date Collected: 12/18/12 10:58
Matrix: Water
Date Received: 12/19/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			70133	12/26/12 11:04	SG	TAL NC
Total Recoverable	Analysis	6010B		1	70414	12/27/12 10:30	KC	TAL NC
Total/NA	Analysis	160.2		1	69922	12/22/12 14:04	LG	TAL NC
Total/NA	Analysis	SM 2340C		1	70320	12/27/12 15:20	JK	TAL NC

Client Sample ID: SW-52222-121812-JY-737

Lab Sample ID: 240-19072-5

Date Collected: 12/18/12 11:05
Matrix: Water
Date Received: 12/19/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			70133	12/26/12 11:04	SG	TAL NC
Total Recoverable	Analysis	6010B		1	70414	12/27/12 10:36	KC	TAL NC
Total/NA	Analysis	160.2		1	69922	12/22/12 14:04	LG	TAL NC
Total/NA	Analysis	SM 2340C		1	70320	12/27/12 15:21	JK	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Client Sample ID: SW-52222-121812-JY-738

Lab Sample ID: 240-19072-6
Date Collected: 12/18/12 11:20
Matrix: Water
Date Received: 12/19/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			70133	12/26/12 11:04	SG	TAL NC
Total Recoverable	Analysis	6010B		1	70414	12/27/12 10:42	KC	TAL NC
Total/NA	Analysis	160.2		1	69922	12/22/12 14:04	LG	TAL NC
Total/NA	Analysis	SM 2340C		1	70320	12/27/12 15:23	JK	TAL NC

Client Sample ID: SW-52222-121812-JY-739

Lab Sample ID: 240-19072-7
Date Collected: 12/18/12 11:30
Matrix: Water
Date Received: 12/19/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			70133	12/26/12 11:04	SG	TAL NC
Total Recoverable	Analysis	6010B		1	70414	12/27/12 10:48	KC	TAL NC
Total/NA	Analysis	160.2		1	69922	12/22/12 14:04	LG	TAL NC
Total/NA	Analysis	SM 2340C		1	70320	12/27/12 15:25	JK	TAL NC

Client Sample ID: SW-52222-121812-JY-740

Lab Sample ID: 240-19072-8
Date Collected: 12/18/12 11:50
Matrix: Water
Date Received: 12/19/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			70133	12/26/12 11:04	SG	TAL NC
Total Recoverable	Analysis	6010B		1	70414	12/27/12 11:32	KC	TAL NC
Total/NA	Analysis	160.2		1	69922	12/22/12 14:04	LG	TAL NC
Total/NA	Analysis	SM 2340C		1	70320	12/27/12 15:26	JK	TAL NC

Client Sample ID: SW-52222-121812-JY-741

Lab Sample ID: 240-19072-9
Date Collected: 12/18/12 11:51
Matrix: Water
Date Received: 12/19/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			70133	12/26/12 11:04	SG	TAL NC
Total Recoverable	Analysis	6010B		1	70414	12/27/12 11:38	KC	TAL NC
Total/NA	Analysis	160.2		1	69922	12/22/12 14:04	LG	TAL NC
Total/NA	Analysis	SM 2340C		1	70320	12/27/12 15:28	JK	TAL NC

Laboratory References:

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

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-18996-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Wisconsin	State Program	5	999518190	08-31-13

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-13
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-04-13
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-13
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-13
South Carolina	State Program	4	89014	04-30-13
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	04-28-13
Utah	NELAP	8	STLP	04-30-13
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO.: PL-10674
PAGE ___ OF ___
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 52222
Laboratory Name: Test America
Lab Location: North Canton OH
SSOW ID: 52222
Project Name: Cork St. LF
Lab Contact:
Lab Quote No:
Cooler No:
Project Location: Kalamazoo, Michigan
Carrier: Fed. Ex.
Chemistry Contact: Paul Wiseman
Airbill No: 8010 4751 6102
Sampler(s): J. York, D. Newton
Date Shipped: 12-17-12

Sample Type / Container Quantity & Preservation / Analysis Requested (See Back of COC for Definitions)

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOC	Metals	Phenols	CN	BOD	Alk, Chloride, Sulfate, COD, T. Phos.	Ammonia		MS/MSD Request	Comments/ Special Instructions:
1	TB-52222-121712-JY-724	12-17-12	—	WQ			X								X									Loc: 240 18996
2	GW-52222-121712-JY-725		1040	WG	G	X	X	X	X	X					X	X	X	X	X	X	X	X		
	-726		1258		G	X	X	X	X	X					X	X	X	X	X	X	X	X	MS/MSD	
	-727		1210		G	X	X	X	X	X					X	X	X	X	X	X	X	X		
	-728		1305		G	X	X	X	X	X					X	X	X	X	X	X	X	X		
	-729		1400		G	X	X	X	X	X					X	X	X	X	X	X	X	X		
	-730		1450		G	X	X	X	X	X					X	X	X	X	X	X	X	X		
8	-731		1523		G	X	X	X	X	X					X	X	X	X	X	X	X	X		
9	-732		1533		G	X	X	X	X	X					X	X	X	X	X	X	X	X		
10	GW-52222-121712-JY-733		1605		G	X	X	X	X	X					X	X	X	X	X	X	X	X		
11																								
12																								
13																								
14																								
15																								

Michigan 190

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers:
All Samples in Cooler must be on COC

Notes/ Special Requirements:

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	[signature]	CRA	12-17-12	1700	1. [signature]	TAL	12/18/12	1020
2.					2.			
3.					3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 18996

Client CRA Site Name _____ By: [signature] (Signature)

Cooler Received on 12/18/12 Opened on 12/18/12

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt
   - IR GUN# 1 (CF –2 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C
   - IR GUN# 4G (CF 0 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C
   - IR GUN# 5G (CF 0 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C
   - IR GUN# 8 (CF 0 °C) Observed Sample Temp._____°C Corrected Sample Temp._____°C

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
		12-18-12	CSL
725	<2 <2 <2 >12		
726	<2 <2 <2 <2 <2 <2 <2 <2 >12 >12		
727	<2 <2 <2 <2 >12		
728	<2 <2 <2 <2 >12		
729	<2 <2 <2 <2 >12		
730	<2 <2 <2 <2 >12		
731	<2 <2 <2 <2 >12		
732	<2 <2 <2 <2 >12		
733	<2 <2 <2 <2 >12		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
260-133	3.0	3.0	8	Ice
TA M1 SVC	2.9	2.9		
241-1087	2.6	2.6		
TA No #	2.3	2.3		

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO.: PL-10675
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 52222	Laboratory Name: Test America	Lab Location: North Canton, OH	SSOW ID: 52222
Project Name: Cork St. LF	Lab Contact:	Lab Quote No:	Cooler No:
Project Location: Kalamazoo			Carrier: Fed. Ex.
Chemistry Contact: Paul Wiseman			Airbill No:
Sampler(s): J. York, J. Valentine			Date Shipped: 12-18-12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOC	Phenols	CN	Metals	BOD	Alk, Chloride, Sulfate	COD, T. Phos.	Ammonia	Hardness	TSS	MS/MSD Request	Comments/ Special Instructions:
1	TB-52222-121812-742	12-18-12	—	WQ	-		X							1	X											
2	GW-52222-121812-JY-734		0905	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X				
3	GW-52222-121812-JY-735		0955	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X				
4	SW-52222-121812-JY-736		1058	WS	G	X		X						2									X	X		
5	-737		1105	WS	G	X		X						2									X	X		
6	-738		1120	WS	G	X		X						2									X	X		
7	-739		1130	WS	G	X		X						2									X	X		
8	-740		1150	WS	G	X		X						2									X	X		
9	-741		1151	WS	G	X		X						2									X	X		
10																										
11																										
12																										
13																										
14																										
15																										

Michigan 190

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 31

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. J. Valentine	CRA	12-18-12		1. Derek W. Green	TA	12-19-12	0830
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

2/28/2013

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 19072

Client Conestoga-Rovers & Associates Site Name _____ By: [signature]

Cooler Received on 12-14-12 Opened on 12-14-12 (Signature)

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –2 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 4G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	☑ Multiple on Back
IR GUN# 5G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 8	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 0 Yes No
   - Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   - Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
34	<2 <2 <2 >12	12-14-12	DDG
35	<2 <2 <2 >12		
36	<2		
37	<2		
38	<2		
39	<2		
40	<2		
41	<2		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
Client Cooler	4.6	4.6	46	Ice
Client Cooler	5.8	5.8	46	Ice

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-18996-1

Login Number: 19072
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 02/14/13 12:25 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 240-15550-1
Client Project/Site: 52222, Cork Street

For:
Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman

Denise D Heckler

Authorized for release by:
10/11/2012 3:20:54 PM

Denise Heckler
Project Manager II
denise.heckler@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 240-15550-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 52222, Cork Street

Report Number: 240-15550-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/25/2012, 09/26/2012 and 09/27/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.6, 0.8, 1.1, 1.3, 1.6, 1.8 and 2.2 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/27/2012, 09/28/2012 and 10/01/2012.

Methylene Chloride was detected in method blank MB 240-59615/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Samples GW-52222-092512-JV-711 (240-15580-1)[2X], GW-52222-092512-JV-712 (240-15580-2)[2X] and GW-52222-092512-JV-713 (240-15580-3)[25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Job ID: 240-15550-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Samples were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 09/27/2012, 10/03/2012 and 10/05/2012 and analyzed on 10/01/2012, 10/03/2012, 10/08/2012 and 10/09/2012.

Barium, Calcium and Manganese were detected in method blank MB 240-59257/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Magnesium was detected in method blank MB 240-59940/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Magnesium was detected in method blank MB 240-60024/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Manganese was detected in method blank MB 240-60024/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Several analytes were detected in method blank MB 240-60351/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Iron failed the recovery criteria low for the MSD of sample GW-52222-092412-JV-709MSD (240-15550-5) in batch 240-60742.

Sample GW-52222-092512-JV-714 (240-15580-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 09/27/2012, 10/03/2012 and 10/05/2012 and analyzed on 09/28/2012, 10/04/2012 and 10/08/2012.

Copper and Zinc were detected in method blank MB 240-59257/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Copper and Zinc were detected in method blank MB 240-60351/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 09/26/2012 and analyzed on 09/27/2012.

Mercury failed the recovery criteria low for the MS of sample GW-52222-092412-JV-709MS (240-15550-5) in batch 240-59366.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS

Samples were analyzed for total suspended solids in accordance with EPA Method 160.2. The samples were analyzed on 09/28/2012.

No difficulties were encountered during the TSS analyses.

All quality control parameters were within the acceptance limits.

Job ID: 240-15550-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

ALKALINITY

Samples were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 09/29/2012, 10/02/2012 and 10/04/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS

Samples SW-52222-092612-JV-718 (240-15668-1), SW-52222-092612-JV-719 (240-15668-2), SW-52222-092612-JV-720 (240-15668-3), SW-52222-092612-JV-721 (240-15668-4), SW-52222-092612-JV-722 (240-15668-5) and SW-52222-092612-JV-723 (240-15668-6) were analyzed for hardness in accordance with SM 2340C. The samples were analyzed on 10/05/2012.

No difficulties were encountered during the hardness analyses.

All other quality control parameters were within the acceptance limits.

ANIONS

Samples were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 09/26/2012 and 09/28/2012.

Chloride failed the recovery criteria high for the MS of sample GW-52222-092512-JV-712MS (240-15580-2) in batch 240-59302.

Samples GW-52222-092512-JV-711 (240-15580-1)[5X], GW-52222-092512-JV-712 (240-15580-2)[5X], GW-52222-092512-JV-713 (240-15580-3)[10X], GW-52222-092512-JV-714 (240-15580-4)[20X], GW-52222-092512-JV-715 (240-15580-5)[5X] and GW-52222-092512-JV-716 (240-15580-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA

Samples were analyzed for ammonia in accordance with EPA Method 350.3. The samples were analyzed on 10/02/2012 and 10/04/2012.

Samples GW-52222-092512-JV-713 (240-15580-3)[20X], GW-52222-092412-JV-708 (240-15580-4)[10X] and GW-52222-092412-JV-709 (240-15580-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the ammonia analyses.

All quality control parameters were within the acceptance limits.

PHENOLS

Samples were analyzed for phenols in accordance with EPA Method 420.1. The samples were prepared and analyzed on 10/01/2012 and 10/08/2012.

No difficulties were encountered during the phenol analyses.

All quality control parameters were within the acceptance limits.

TOTAL PHOSPHORUS

Samples were analyzed for total phosphorus in accordance with SM 4500 P E. The samples were prepared and analyzed on 10/04/2012.

No difficulties were encountered during the total phosphorus analyses.

All quality control parameters were within the acceptance limits.

Job ID: 240-15550-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

BIOCHEMICAL OXYGEN DEMAND

Samples were analyzed for Biochemical oxygen demand in accordance with SM 5210B. The samples were analyzed on 09/26/2012 and 10/03/2012.

The seed correction factor associated with BOD batch 59055 was above the method range of 0.6 mg/L to 1.0 mg/L at 1.42 mg/L. Associated sample results have been adjusted for the actual correction factor and are reported.

Reanalysis of samples: GW-52222-092512-JV-712 (240-15580-2) and GW-52222-092512-JV-713 (240-15580-3) were performed outside of the analytical holding time. The associated BOD samples were originally analyzed within the method defined holding time; however, the results did not meet method specific requirements with respect ot oxygen depletions.

The seed correction factor associated with BOD batch 59180 was above the method range of 0.6 mg/L to 1.0 mg/L at 1.25 mg/L. Associated sample results have been adjusted for the actual correction factor and are reported.

The seed correction factor associated with BOD batch 59997 was above the method range of 0.6 mg/L to 1.0 mg/L at 1.27 mg/L. Associated sample results have been adjusted for the actual correction factor and are reported.

No other difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples were analyzed for chemical oxygen demand in accordance with SM 5220D. The samples were prepared and analyzed on 10/02/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 10/02/2012.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
s	SCB Recovery High

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-15550-1	GW-52222-092412-JV-705	Water	09/24/12 10:45	09/25/12 08:15
240-15550-2	GW-52222-092412-JV-706	Water	09/24/12 11:30	09/25/12 08:15
240-15550-3	GW-52222-092412-JV-707	Water	09/24/12 12:40	09/25/12 08:15
240-15550-4	GW-52222-092412-JV-708	Water	09/24/12 14:00	09/25/12 08:15
240-15550-5	GW-52222-092412-JV-709	Water	09/24/12 15:15	09/25/12 08:15
240-15550-6	TB-52222-092412-JV-710	Water	09/24/12 00:00	09/25/12 08:15
240-15580-1	GW-52222-092512-JV-711	Water	09/25/12 09:05	09/26/12 08:00
240-15580-2	GW-52222-092512-JV-712	Water	09/25/12 10:50	09/26/12 08:00
240-15580-3	GW-52222-092512-JV-713	Water	09/25/12 10:10	09/26/12 08:00
240-15580-4	GW-52222-092512-JV-714	Water	09/25/12 14:25	09/26/12 08:00
240-15580-5	GW-52222-092512-JV-715	Water	09/25/12 15:30	09/26/12 08:00
240-15580-6	GW-52222-092512-JV-716	Water	09/25/12 15:40	09/26/12 08:00
240-15580-7	TB-52222-092512-JV-717	Water	09/25/12 00:00	09/26/12 08:00
240-15668-1	SW-52222-092612-JV-718	Water	09/26/12 08:20	09/27/12 08:00
240-15668-2	SW-52222-092612-JV-719	Water	09/26/12 08:24	09/27/12 08:00
240-15668-3	SW-52222-092612-JV-720	Water	09/26/12 08:42	09/27/12 08:00
240-15668-4	SW-52222-092612-JV-721	Water	09/26/12 09:10	09/27/12 08:00
240-15668-5	SW-52222-092612-JV-722	Water	09/26/12 09:26	09/27/12 08:00
240-15668-6	SW-52222-092612-JV-723	Water	09/26/12 10:00	09/27/12 08:00

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092412-JV-705 — Lab Sample ID: 240-15550-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	25		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	120	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	110000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	1500		100	81	ug/L	1		6010B	Total Recoverable
Potassium	2800		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	30000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	470	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	30000		1000	590	ug/L	1		6010B	Total Recoverable
Chloride	55		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	31		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.22		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	330		5.0	2.7	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GW-52222-092412-JV-706 — Lab Sample ID: 240-15550-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	45		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	69	J B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	78000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	1300		100	81	ug/L	1		6010B	Total Recoverable
Potassium	1300		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	23000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	110	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	17000		1000	590	ug/L	1		6010B	Total Recoverable
Copper	0.44	J B	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	5.6	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	14		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	2.9		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.28		0.20	0.035	mg/L	1		350.3	Total/NA
Phenols, Total	0.017	J	0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	270		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.039	J	0.10	0.033	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: GW-52222-092412-JV-707 — Lab Sample ID: 240-15550-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	90	J B	100	0.67	ug/L	1		6010B	Total Recoverable

Client Sample ID: GW-52222-092412-JV-707 (Continued) — Lab Sample ID: 240-15550-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	77000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	1600		100	81	ug/L	1		6010B	Total Recoverable
Potassium	840	J	1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	23000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	95	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	6800		1000	590	ug/L	1		6010B	Total Recoverable
Copper	0.48	J B	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	3.1	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	11		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	8.0		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.27		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	270		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.084	J	0.10	0.033	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: GW-52222-092412-JV-708 — Lab Sample ID: 240-15550-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.18	J	1.0	0.13	ug/L	1		8260B	Total/NA
Chlorobenzene	2.6		1.0	0.15	ug/L	1		8260B	Total/NA
Chloroethane	0.38	J	1.0	0.29	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	0.14	J	1.0	0.13	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	1.5		1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	47		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	110	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	95000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	10000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	11000		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	34000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	390	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	42000		1000	590	ug/L	1		6010B	Total Recoverable
Chloride	130		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	2.3		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	18		2.0	0.35	mg/L	10		350.3	Total/NA
Alkalinity	360		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.24		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	7.9		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	24		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092412-JV-709 — Lab Sample ID: 240-15550-5

Client Sample ID: GW-52222-092412-JV-709 (Continued) — Lab Sample ID: 240-15550-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.29	J	1.0	0.13	ug/L	1		8260B	Total/NA
Chlorobenzene	2.6		1.0	0.15	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	0.21	J	1.0	0.13	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	2.8		1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	94		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	84	J B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	83000	B	5000	130	ug/L	1		6010B	Total Recoverable
Cobalt	2.1	J	7.0	1.7	ug/L	1		6010B	Total Recoverable
Iron	11000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	17000	B	1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	33000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	140		15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	39000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	4.6	J	20	3.2	ug/L	1		6010B	Total Recoverable
Selenium	5.9		5.0	4.1	ug/L	1		6010B	Total Recoverable
Vanadium	1.0	J B	4.0	0.64	ug/L	1		6010B	Total Recoverable
Antimony	0.20	J	5.0	0.13	ug/L	1		6020	Total Recoverable
Thallium	0.49	J	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	5.1	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	120		1.0	0.10	mg/L	1		300.0	Total/NA
Ammonia (as N)	29		2.0	0.35	mg/L	10		350.3	Total/NA
Alkalinity	410		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.59		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	10		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	39		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: TB-52222-092412-JV-710 — Lab Sample ID: 240-15550-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.5	J	10	1.1	ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	0.85	J	10	0.32	ug/L	1		8260B	Total/NA

Client Sample ID: GW-52222-092512-JV-711 — Lab Sample ID: 240-15580-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	17		2.0	0.26	ug/L	2		8260B	Total/NA
Chlorobenzene	3.3		2.0	0.30	ug/L	2		8260B	Total/NA
Arsenic	32		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	230		100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	140000		5000	130	ug/L	1		6010B	Total Recoverable

Client Sample ID: GW-52222-092512-JV-711 (Continued) — Lab Sample ID: 240-15580-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.0	J	7.0	1.7	ug/L	1		6010B	Total Recoverable
Iron	9800		100	81	ug/L	1		6010B	Total Recoverable
Potassium	2400		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	54000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	52	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	56000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	3.2	J	20	3.2	ug/L	1		6010B	Total Recoverable
Thallium	0.27	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	4.2	J	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	250		5.0	0.50	mg/L	5		300.0	Total/NA
Ammonia (as N)	3.0		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	360		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.12		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Chemical Oxygen Demand	49		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092512-JV-712 — Lab Sample ID: 240-15580-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.40	J	2.0	0.26	ug/L	2		8260B	Total/NA
Toluene	0.31	J	2.0	0.26	ug/L	2		8260B	Total/NA
Arsenic	36		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	150		100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	190000		5000	130	ug/L	1		6010B	Total Recoverable
Iron	15000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	2100		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	60000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	68	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	68000		1000	590	ug/L	1		6010B	Total Recoverable
Thallium	0.20	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Chloride	230		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	0.92	J	1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.69		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	440		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.077	J	0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Chemical Oxygen Demand	57		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092512-JV-713 — Lab Sample ID: 240-15580-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	600		25	3.3	ug/L	25		8260B	Total/NA

Client Sample ID: GW-52222-092512-JV-713 (Continued) — Lab Sample ID: 240-15580-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	180		25	3.8	ug/L	25		8260B	Total/NA
Xylenes, Total	16	J	25	7.0	ug/L	25		8260B	Total/NA
Arsenic	86		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	150		100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	170000		5000	130	ug/L	1		6010B	Total Recoverable
Iron	11000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	28000		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	53000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	350	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	130000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	8.3	J	20	3.2	ug/L	1		6010B	Total Recoverable
Antimony	0.16	J	5.0	0.13	ug/L	1		6020	Total Recoverable
Thallium	0.17	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	1200		10	2.3	ug/L	1		6020	Total Recoverable
Chloride	250		10	1.0	mg/L	10		300.0	Total/NA
Sulfate	2.6		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	81		4.0	0.70	mg/L	20		350.3	Total/NA
Alkalinity	840		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.21		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Chemical Oxygen Demand	140		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092512-JV-714 — Lab Sample ID: 240-15580-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	720		100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	420000		5000	130	ug/L	1		6010B	Total Recoverable
Cobalt	7.5		7.0	1.7	ug/L	1		6010B	Total Recoverable
Iron	17000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	13000		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	85000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	2200	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	1200000		5000	3000	ug/L	5		6010B	Total Recoverable
Nickel	8.0	J	20	3.2	ug/L	1		6010B	Total Recoverable
Copper	0.38	J	25	0.29	ug/L	1		6020	Total Recoverable

Client Sample ID: GW-52222-092512-JV-714 (Continued) — Lab Sample ID: 240-15580-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.14	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	620		10	2.3	ug/L	1		6020	Total Recoverable
Chloride	2400		20	2.0	mg/L	20		300.0	Total/NA
Sulfate	140		20	2.4	mg/L	20		300.0	Total/NA
Ammonia (as N)	1.6		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	650		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Chemical Oxygen Demand	86		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092512-JV-715 — Lab Sample ID: 240-15580-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	64	J	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	160000		5000	130	ug/L	1		6010B	Total Recoverable
Iron	86	J	100	81	ug/L	1		6010B	Total Recoverable
Potassium	1300		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	26000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	2.4	J B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	18000		1000	590	ug/L	1		6010B	Total Recoverable
Copper	0.65	J	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	3.3	J	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	76		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	12		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.076	J	0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	420		5.0	2.7	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GW-52222-092512-JV-716 — Lab Sample ID: 240-15580-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	66	J	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	160000		5000	130	ug/L	1		6010B	Total Recoverable
Iron	89	J	100	81	ug/L	1		6010B	Total Recoverable
Potassium	1400		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	27000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	2.6	J B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	19000		1000	590	ug/L	1		6010B	Total Recoverable
Copper	1.2	J	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	8.5	J	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	76		5.0	0.50	mg/L	5		300.0	Total/NA

Client Sample ID: GW-52222-092512-JV-716 (Continued) — Lab Sample ID: 240-15580-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	13		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.075	J	0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	420		5.0	2.7	mg/L	1		SM 2320B	Total/NA

Client Sample ID: TB-52222-092512-JV-717 — Lab Sample ID: 240-15580-7

No Detections

Client Sample ID: SW-52222-092612-JV-718 — Lab Sample ID: 240-15668-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	91000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Hardness as calcium carbonate	370		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-092612-JV-719 — Lab Sample ID: 240-15668-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	94000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	2.0	J	4.0	1.8	mg/L	1		160.2	Total/NA
Hardness as calcium carbonate	350		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-092612-JV-720 — Lab Sample ID: 240-15668-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	89000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	22000	B	1000	34	ug/L	1		6010B	Total Recoverable
Hardness as calcium carbonate	370		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-092612-JV-721 — Lab Sample ID: 240-15668-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	92000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	2.0	J	4.0	1.8	mg/L	1		160.2	Total/NA
Hardness as calcium carbonate	380		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-092612-JV-722 — Lab Sample ID: 240-15668-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	92000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	4.0		4.0	1.8	mg/L	1		160.2	Total/NA
Hardness as calcium carbonate	370		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: SW-52222-092612-JV-723 — Lab Sample ID: 240-15668-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	92000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Hardness as calcium carbonate	350		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
6010B	Metals (ICP)	SW846	TAL NC
6020	Metals (ICP/MS)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC
160.2	Solids, Total Suspended (TSS)	MCAWW	TAL NC
300.0	Anions, Ion Chromatography	MCAWW	TAL NC
350.3	Nitrogen, Ammonia	MCAWW	TAL NC
420.1	Phenolics, Total Recoverable	MCAWW	TAL NC
9012A	Cyanide, Total and/or Amenable	SW846	TAL NC
SM 2320B	Alkalinity	SM	TAL NC
SM 2340C	Hardness, Total	SM	TAL NC
SM 4500 P E	Phosphorus	SM	TAL NC
SM 5210B	BOD, 5-Day	SM	TAL NC
SM 5220D	COD	SM	TAL NC

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

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

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 18:51	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 18:51	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 18:51	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 18:51	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 18:51	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 18:51	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 18:51	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 18:51	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 18:51	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 18:51	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 18:51	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 18:51	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 18:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 18:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 18:51	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 18:51	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 18:51	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 18:51	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 18:51	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 18:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 18:51	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 18:51	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 18:51	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 18:51	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 18:51	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 18:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 18:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 18:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 18:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 18:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*09/27/12 18:51*	*1*
4-Bromofluorobenzene (Surr)	*91*		*66 - 117*		*09/27/12 18:51*	*1*
Toluene-d8 (Surr)	*99*		*74 - 115*		*09/27/12 18:51*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*09/27/12 18:51*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 19:14	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:14	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 19:14	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 19:14	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 19:14	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 19:14	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 19:14	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 19:14	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 19:14	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:14	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:14	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:14	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 19:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 19:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 19:14	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 19:14	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 19:14	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 19:14	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 19:14	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 19:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:14	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 19:14	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:14	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 19:14	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 19:14	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 19:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 19:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*09/27/12 19:14*	*1*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*09/27/12 19:14*	*1*
Toluene-d8 (Surr)	*92*		*74 - 115*		*09/27/12 19:14*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 121*		*09/27/12 19:14*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 19:36	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:36	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 19:36	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 19:36	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 19:36	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 19:36	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 19:36	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 19:36	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 19:36	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:36	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:36	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:36	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 19:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 19:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 19:36	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 19:36	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 19:36	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 19:36	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 19:36	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 19:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:36	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 19:36	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:36	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 19:36	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 19:36	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 19:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 19:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 129*		*09/27/12 19:36*	*1*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*		*09/27/12 19:36*	*1*
Toluene-d8 (Surr)	*105*		*74 - 115*		*09/27/12 19:36*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 121*		*09/27/12 19:36*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 19:59	1
Benzene	**0.18**	**J**	1.0	0.13	ug/L			09/27/12 19:59	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:59	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 19:59	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 19:59	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 19:59	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 19:59	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 19:59	1
Chlorobenzene	**2.6**		1.0	0.15	ug/L			09/27/12 19:59	1
Chloroethane	**0.38**	**J**	1.0	0.29	ug/L			09/27/12 19:59	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 19:59	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 19:59	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:59	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:59	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:59	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 19:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 19:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 19:59	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 19:59	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 19:59	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 19:59	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 19:59	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 19:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:59	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 19:59	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 19:59	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:59	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 19:59	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 19:59	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:59	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 19:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:59	1
1,2-Dichlorobenzene	**0.14**	**J**	1.0	0.13	ug/L			09/27/12 19:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 19:59	1
1,4-Dichlorobenzene	**1.5**		1.0	0.13	ug/L			09/27/12 19:59	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 129*		*09/27/12 19:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*66 - 117*		*09/27/12 19:59*	*1*
Toluene-d8 (Surr)	*102*		*74 - 115*		*09/27/12 19:59*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 121*		*09/27/12 19:59*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 20:21	1
Benzene	**0.29**	**J**	1.0	0.13	ug/L			09/27/12 20:21	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 20:21	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 20:21	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 20:21	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 20:21	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 20:21	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 20:21	1
Chlorobenzene	**2.6**		1.0	0.15	ug/L			09/27/12 20:21	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 20:21	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 20:21	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 20:21	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 20:21	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 20:21	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 20:21	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 20:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 20:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 20:21	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 20:21	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 20:21	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 20:21	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 20:21	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 20:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 20:21	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 20:21	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 20:21	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 20:21	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 20:21	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 20:21	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 20:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 20:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 20:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 20:21	1
1,2-Dichlorobenzene	**0.21**	**J**	1.0	0.13	ug/L			09/27/12 20:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 20:21	1
1,4-Dichlorobenzene	**2.8**		1.0	0.13	ug/L			09/27/12 20:21	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*63 - 129*		*09/27/12 20:21*	*1*
4-Bromofluorobenzene (Surr)	*89*		*66 - 117*		*09/27/12 20:21*	*1*
Toluene-d8 (Surr)	*95*		*74 - 115*		*09/27/12 20:21*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 121*		*09/27/12 20:21*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: TB-52222-092412-JV-710
Date Collected: 09/24/12 00:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.5**	**J**	10	1.1	ug/L			09/27/12 21:28	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 21:28	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 21:28	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 21:28	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 21:28	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 21:28	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 21:28	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 21:28	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 21:28	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 21:28	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 21:28	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 21:28	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 21:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 21:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 21:28	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 21:28	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 21:28	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 21:28	1
4-Methyl-2-pentanone (MIBK)	**0.85**	**J**	10	0.32	ug/L			09/27/12 21:28	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 21:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 21:28	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 21:28	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 21:28	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 21:28	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 21:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 21:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 21:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 21:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 21:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 21:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 129*		*09/27/12 21:28*	*1*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*		*09/27/12 21:28*	*1*
Toluene-d8 (Surr)	*103*		*74 - 115*		*09/27/12 21:28*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 121*		*09/27/12 21:28*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	20	2.2	ug/L			10/01/12 13:17	2
Benzene	**17**		2.0	0.26	ug/L			10/01/12 13:17	2
Bromodichloromethane	2.0	U	2.0	0.30	ug/L			10/01/12 13:17	2
Bromoform	2.0	U	2.0	1.3	ug/L			10/01/12 13:17	2
Bromomethane	2.0	U	2.0	0.82	ug/L			10/01/12 13:17	2
2-Butanone (MEK)	20	U	20	1.1	ug/L			10/01/12 13:17	2
Carbon disulfide	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
Carbon tetrachloride	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
Chlorobenzene	**3.3**		2.0	0.30	ug/L			10/01/12 13:17	2
Chloroethane	2.0	U	2.0	0.58	ug/L			10/01/12 13:17	2
Chloroform	2.0	U	2.0	0.32	ug/L			10/01/12 13:17	2
Chloromethane	2.0	U	2.0	0.60	ug/L			10/01/12 13:17	2
1,1-Dichloroethane	2.0	U	2.0	0.30	ug/L			10/01/12 13:17	2
1,2-Dichloroethane	2.0	U	2.0	0.44	ug/L			10/01/12 13:17	2
1,1-Dichloroethene	2.0	U	2.0	0.38	ug/L			10/01/12 13:17	2
1,2-Dichloropropane	2.0	U	2.0	0.36	ug/L			10/01/12 13:17	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.28	ug/L			10/01/12 13:17	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.38	ug/L			10/01/12 13:17	2
Ethylbenzene	2.0	U	2.0	0.34	ug/L			10/01/12 13:17	2
2-Hexanone	20	U	20	0.82	ug/L			10/01/12 13:17	2
Methylene Chloride	2.0	U	2.0	0.66	ug/L			10/01/12 13:17	2
4-Methyl-2-pentanone (MIBK)	20	U	20	0.64	ug/L			10/01/12 13:17	2
Styrene	2.0	U	2.0	0.22	ug/L			10/01/12 13:17	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.36	ug/L			10/01/12 13:17	2
Tetrachloroethene	2.0	U	2.0	0.58	ug/L			10/01/12 13:17	2
Toluene	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
Trichloroethene	2.0	U	2.0	0.34	ug/L			10/01/12 13:17	2
Vinyl chloride	2.0	U	2.0	0.44	ug/L			10/01/12 13:17	2
Xylenes, Total	2.0	U	2.0	0.56	ug/L			10/01/12 13:17	2
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ug/L			10/01/12 13:17	2
1,1,2-Trichloroethane	2.0	U	2.0	0.54	ug/L			10/01/12 13:17	2
cis-1,2-Dichloroethene	2.0	U	2.0	0.34	ug/L			10/01/12 13:17	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.38	ug/L			10/01/12 13:17	2
1,2-Dichlorobenzene	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
1,3-Dichlorobenzene	2.0	U	2.0	0.28	ug/L			10/01/12 13:17	2
1,4-Dichlorobenzene	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
Dibromochloromethane	2.0	U	2.0	0.36	ug/L			10/01/12 13:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*10/01/12 13:17*	*2*
4-Bromofluorobenzene (Surr)	*93*		*66 - 117*		*10/01/12 13:17*	*2*
Toluene-d8 (Surr)	*90*		*74 - 115*		*10/01/12 13:17*	*2*
Dibromofluoromethane (Surr)	*91*		*75 - 121*		*10/01/12 13:17*	*2*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	20	2.2	ug/L			10/01/12 13:40	2
Benzene	**0.40**	**J**	2.0	0.26	ug/L			10/01/12 13:40	2
Bromodichloromethane	2.0	U	2.0	0.30	ug/L			10/01/12 13:40	2
Bromoform	2.0	U	2.0	1.3	ug/L			10/01/12 13:40	2
Bromomethane	2.0	U	2.0	0.82	ug/L			10/01/12 13:40	2
2-Butanone (MEK)	20	U	20	1.1	ug/L			10/01/12 13:40	2
Carbon disulfide	2.0	U	2.0	0.26	ug/L			10/01/12 13:40	2
Carbon tetrachloride	2.0	U	2.0	0.26	ug/L			10/01/12 13:40	2
Chlorobenzene	2.0	U	2.0	0.30	ug/L			10/01/12 13:40	2
Chloroethane	2.0	U	2.0	0.58	ug/L			10/01/12 13:40	2
Chloroform	2.0	U	2.0	0.32	ug/L			10/01/12 13:40	2
Chloromethane	2.0	U	2.0	0.60	ug/L			10/01/12 13:40	2
1,1-Dichloroethane	2.0	U	2.0	0.30	ug/L			10/01/12 13:40	2
1,2-Dichloroethane	2.0	U	2.0	0.44	ug/L			10/01/12 13:40	2
1,1-Dichloroethene	2.0	U	2.0	0.38	ug/L			10/01/12 13:40	2
1,2-Dichloropropane	2.0	U	2.0	0.36	ug/L			10/01/12 13:40	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.28	ug/L			10/01/12 13:40	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.38	ug/L			10/01/12 13:40	2
Ethylbenzene	2.0	U	2.0	0.34	ug/L			10/01/12 13:40	2
2-Hexanone	20	U	20	0.82	ug/L			10/01/12 13:40	2
Methylene Chloride	2.0	U	2.0	0.66	ug/L			10/01/12 13:40	2
4-Methyl-2-pentanone (MIBK)	20	U	20	0.64	ug/L			10/01/12 13:40	2
Styrene	2.0	U	2.0	0.22	ug/L			10/01/12 13:40	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.36	ug/L			10/01/12 13:40	2
Tetrachloroethene	2.0	U	2.0	0.58	ug/L			10/01/12 13:40	2
Toluene	**0.31**	**J**	2.0	0.26	ug/L			10/01/12 13:40	2
Trichloroethene	2.0	U	2.0	0.34	ug/L			10/01/12 13:40	2
Vinyl chloride	2.0	U	2.0	0.44	ug/L			10/01/12 13:40	2
Xylenes, Total	2.0	U	2.0	0.56	ug/L			10/01/12 13:40	2
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ug/L			10/01/12 13:40	2
1,1,2-Trichloroethane	2.0	U	2.0	0.54	ug/L			10/01/12 13:40	2
cis-1,2-Dichloroethene	2.0	U	2.0	0.34	ug/L			10/01/12 13:40	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.38	ug/L			10/01/12 13:40	2
1,2-Dichlorobenzene	2.0	U	2.0	0.26	ug/L			10/01/12 13:40	2
1,3-Dichlorobenzene	2.0	U	2.0	0.28	ug/L			10/01/12 13:40	2
1,4-Dichlorobenzene	2.0	U	2.0	0.26	ug/L			10/01/12 13:40	2
Dibromochloromethane	2.0	U	2.0	0.36	ug/L			10/01/12 13:40	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*10/01/12 13:40*	*2*
4-Bromofluorobenzene (Surr)	*90*		*66 - 117*		*10/01/12 13:40*	*2*
Toluene-d8 (Surr)	*93*		*74 - 115*		*10/01/12 13:40*	*2*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*10/01/12 13:40*	*2*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	250	U	250	28	ug/L			10/01/12 14:03	25
Benzene	**600**		25	3.3	ug/L			10/01/12 14:03	25
Bromodichloromethane	25	U	25	3.8	ug/L			10/01/12 14:03	25
Bromoform	25	U	25	16	ug/L			10/01/12 14:03	25
Bromomethane	25	U	25	10	ug/L			10/01/12 14:03	25
2-Butanone (MEK)	250	U	250	14	ug/L			10/01/12 14:03	25
Carbon disulfide	25	U	25	3.3	ug/L			10/01/12 14:03	25
Carbon tetrachloride	25	U	25	3.3	ug/L			10/01/12 14:03	25
Chlorobenzene	**180**		25	3.8	ug/L			10/01/12 14:03	25
Chloroethane	25	U	25	7.3	ug/L			10/01/12 14:03	25
Chloroform	25	U	25	4.0	ug/L			10/01/12 14:03	25
Chloromethane	25	U	25	7.5	ug/L			10/01/12 14:03	25
1,1-Dichloroethane	25	U	25	3.8	ug/L			10/01/12 14:03	25
1,2-Dichloroethane	25	U	25	5.5	ug/L			10/01/12 14:03	25
1,1-Dichloroethene	25	U	25	4.8	ug/L			10/01/12 14:03	25
1,2-Dichloropropane	25	U	25	4.5	ug/L			10/01/12 14:03	25
cis-1,3-Dichloropropene	25	U	25	3.5	ug/L			10/01/12 14:03	25
trans-1,3-Dichloropropene	25	U	25	4.8	ug/L			10/01/12 14:03	25
Ethylbenzene	25	U	25	4.3	ug/L			10/01/12 14:03	25
2-Hexanone	250	U	250	10	ug/L			10/01/12 14:03	25
Methylene Chloride	25	U	25	8.3	ug/L			10/01/12 14:03	25
4-Methyl-2-pentanone (MIBK)	250	U	250	8.0	ug/L			10/01/12 14:03	25
Styrene	25	U	25	2.8	ug/L			10/01/12 14:03	25
1,1,2,2-Tetrachloroethane	25	U	25	4.5	ug/L			10/01/12 14:03	25
Tetrachloroethene	25	U	25	7.3	ug/L			10/01/12 14:03	25
Toluene	25	U	25	3.3	ug/L			10/01/12 14:03	25
Trichloroethene	25	U	25	4.3	ug/L			10/01/12 14:03	25
Vinyl chloride	25	U	25	5.5	ug/L			10/01/12 14:03	25
Xylenes, Total	**16**	**J**	25	7.0	ug/L			10/01/12 14:03	25
1,1,1-Trichloroethane	25	U	25	5.5	ug/L			10/01/12 14:03	25
1,1,2-Trichloroethane	25	U	25	6.8	ug/L			10/01/12 14:03	25
cis-1,2-Dichloroethene	25	U	25	4.3	ug/L			10/01/12 14:03	25
trans-1,2-Dichloroethene	25	U	25	4.8	ug/L			10/01/12 14:03	25
1,2-Dichlorobenzene	25	U	25	3.3	ug/L			10/01/12 14:03	25
1,3-Dichlorobenzene	25	U	25	3.5	ug/L			10/01/12 14:03	25
1,4-Dichlorobenzene	25	U	25	3.3	ug/L			10/01/12 14:03	25
Dibromochloromethane	25	U	25	4.5	ug/L			10/01/12 14:03	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*10/01/12 14:03*	*25*
4-Bromofluorobenzene (Surr)	*96*		*66 - 117*		*10/01/12 14:03*	*25*
Toluene-d8 (Surr)	*93*		*74 - 115*		*10/01/12 14:03*	*25*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*10/01/12 14:03*	*25*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 18:34	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 18:34	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 18:34	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 18:34	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 18:34	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 18:34	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 18:34	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 18:34	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 18:34	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 18:34	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 18:34	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 18:34	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 18:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 18:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 18:34	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 18:34	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 18:34	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 18:34	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 18:34	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 18:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 18:34	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 18:34	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 18:34	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 18:34	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 18:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 18:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 18:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 18:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 18:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 18:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 129*		*09/28/12 18:34*	*1*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*		*09/28/12 18:34*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*09/28/12 18:34*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*09/28/12 18:34*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 18:57	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 18:57	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 18:57	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 18:57	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 18:57	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 18:57	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 18:57	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 18:57	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 18:57	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 18:57	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 18:57	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 18:57	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 18:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 18:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 18:57	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 18:57	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 18:57	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 18:57	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 18:57	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 18:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 18:57	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 18:57	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 18:57	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 18:57	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 18:57	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 18:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 18:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 18:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 18:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 18:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*09/28/12 18:57*	*1*
4-Bromofluorobenzene (Surr)	*90*		*66 - 117*		*09/28/12 18:57*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*09/28/12 18:57*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*09/28/12 18:57*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 19:20	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 19:20	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 19:20	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 19:20	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 19:20	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 19:20	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 19:20	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 19:20	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 19:20	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 19:20	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 19:20	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 19:20	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 19:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 19:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 19:20	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 19:20	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 19:20	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 19:20	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 19:20	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 19:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 19:20	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 19:20	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 19:20	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 19:20	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 19:20	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 19:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 19:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 19:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 19:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 19:20	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*09/28/12 19:20*	*1*
4-Bromofluorobenzene (Surr)	*93*		*66 - 117*		*09/28/12 19:20*	*1*
Toluene-d8 (Surr)	*91*		*74 - 115*		*09/28/12 19:20*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*09/28/12 19:20*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: TB-52222-092512-JV-717
Date Collected: 09/25/12 00:00
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 19:42	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 19:42	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 19:42	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 19:42	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 19:42	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 19:42	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 19:42	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 19:42	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 19:42	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 19:42	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 19:42	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 19:42	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 19:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 19:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 19:42	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 19:42	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 19:42	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 19:42	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 19:42	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 19:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 19:42	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 19:42	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 19:42	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 19:42	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 19:42	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 19:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 19:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 19:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 19:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 19:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*09/28/12 19:42*	*1*
4-Bromofluorobenzene (Surr)	*88*		*66 - 117*		*09/28/12 19:42*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*09/28/12 19:42*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 121*		*09/28/12 19:42*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**25**		5.0	3.2	ug/L		09/27/12 09:51	10/03/12 19:51	1
Barium	**120**	**B**	100	0.67	ug/L		09/27/12 09:51	10/03/12 19:51	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 19:51	1
Calcium	**110000**	**B**	5000	130	ug/L		09/27/12 09:51	10/03/12 19:51	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 19:51	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 19:51	1
Iron	**1500**		100	81	ug/L		09/27/12 09:51	10/03/12 19:51	1
Potassium	**2800**		1000	72	ug/L		09/27/12 09:51	10/03/12 19:51	1
Magnesium	**30000**		1000	34	ug/L		09/27/12 09:51	10/03/12 19:51	1
Manganese	**470**	**B**	15	0.41	ug/L		09/27/12 09:51	10/03/12 19:51	1
Sodium	**30000**		1000	590	ug/L		09/27/12 09:51	10/01/12 18:32	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 19:51	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 19:51	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 19:51	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 19:51	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**45**		5.0	3.2	ug/L		09/27/12 09:51	10/03/12 20:03	1
Barium	**69**	**J B**	100	0.67	ug/L		09/27/12 09:51	10/03/12 20:03	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 20:03	1
Calcium	**78000**	**B**	5000	130	ug/L		09/27/12 09:51	10/03/12 20:03	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 20:03	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 20:03	1
Iron	**1300**		100	81	ug/L		09/27/12 09:51	10/03/12 20:03	1
Potassium	**1300**		1000	72	ug/L		09/27/12 09:51	10/03/12 20:03	1
Magnesium	**23000**		1000	34	ug/L		09/27/12 09:51	10/03/12 20:03	1
Manganese	**110**	**B**	15	0.41	ug/L		09/27/12 09:51	10/03/12 20:03	1
Sodium	**17000**		1000	590	ug/L		09/27/12 09:51	10/01/12 18:36	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 20:03	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 20:03	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 20:03	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 20:03	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12**		5.0	3.2	ug/L		09/27/12 09:51	10/03/12 20:06	1
Barium	**90**	**J B**	100	0.67	ug/L		09/27/12 09:51	10/03/12 20:06	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 20:06	1
Calcium	**77000**	**B**	5000	130	ug/L		09/27/12 09:51	10/03/12 20:06	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 20:06	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 20:06	1
Iron	**1600**		100	81	ug/L		09/27/12 09:51	10/03/12 20:06	1
Potassium	**840**	**J**	1000	72	ug/L		09/27/12 09:51	10/03/12 20:06	1
Magnesium	**23000**		1000	34	ug/L		09/27/12 09:51	10/03/12 20:06	1
Manganese	**95**	**B**	15	0.41	ug/L		09/27/12 09:51	10/03/12 20:06	1
Sodium	**6800**		1000	590	ug/L		09/27/12 09:51	10/01/12 18:40	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 20:06	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 20:06	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 20:06	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 20:06	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**47**		5.0	3.2	ug/L		09/27/12 09:51	10/03/12 20:10	1
Barium	**110**	**B**	100	0.67	ug/L		09/27/12 09:51	10/03/12 20:10	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 20:10	1
Calcium	**95000**	**B**	5000	130	ug/L		09/27/12 09:51	10/03/12 20:10	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 20:10	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 20:10	1
Iron	**10000**		100	81	ug/L		09/27/12 09:51	10/03/12 20:10	1
Potassium	**11000**		1000	72	ug/L		09/27/12 09:51	10/03/12 20:10	1
Magnesium	**34000**		1000	34	ug/L		09/27/12 09:51	10/03/12 20:10	1
Manganese	**390**	**B**	15	0.41	ug/L		09/27/12 09:51	10/03/12 20:10	1
Sodium	**42000**		1000	590	ug/L		09/27/12 09:51	10/01/12 18:44	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 20:10	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 20:10	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 20:10	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 20:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**94**		5.0	3.2	ug/L		10/05/12 12:53	10/09/12 12:11	1
Barium	**84**	**J B**	100	0.67	ug/L		10/05/12 12:53	10/09/12 12:11	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/05/12 12:53	10/09/12 12:11	1
Calcium	**83000**	**B**	5000	130	ug/L		10/05/12 12:53	10/09/12 12:11	1
Cobalt	**2.1**	**J**	7.0	1.7	ug/L		10/05/12 12:53	10/09/12 12:11	1
Chromium	5.0	U	5.0	2.2	ug/L		10/05/12 12:53	10/09/12 12:11	1
Iron	**11000**		100	81	ug/L		10/05/12 12:53	10/09/12 12:11	1
Potassium	**17000**	**B**	1000	72	ug/L		10/05/12 12:53	10/09/12 12:11	1
Magnesium	**33000**		1000	34	ug/L		10/05/12 12:53	10/09/12 12:11	1
Manganese	**140**		15	0.41	ug/L		10/05/12 12:53	10/09/12 12:11	1
Sodium	**39000**		1000	590	ug/L		10/05/12 12:53	10/09/12 12:11	1
Nickel	**4.6**	**J**	20	3.2	ug/L		10/05/12 12:53	10/09/12 12:11	1
Lead	3.0	U	3.0	1.9	ug/L		10/05/12 12:53	10/09/12 12:11	1
Selenium	**5.9**		5.0	4.1	ug/L		10/05/12 12:53	10/09/12 12:11	1
Vanadium	**1.0**	**J B**	4.0	0.64	ug/L		10/05/12 12:53	10/09/12 12:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**32**		5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:12	1
Barium	**230**		100	0.67	ug/L		10/03/12 13:54	10/08/12 17:12	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:12	1
Calcium	**140000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:12	1
Cobalt	**3.0**	**J**	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:12	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:12	1
Iron	**9800**		100	81	ug/L		10/03/12 13:54	10/08/12 17:12	1
Potassium	**2400**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:12	1
Magnesium	**54000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:12	1
Manganese	**52**	**B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:12	1
Sodium	**56000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:30	1
Nickel	**3.2**	**J**	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:12	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:12	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:12	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:12	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**36**		5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:18	1
Barium	**150**		100	0.67	ug/L		10/03/12 13:54	10/08/12 17:18	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:18	1
Calcium	**190000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:18	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:18	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:18	1
Iron	**15000**		100	81	ug/L		10/03/12 13:54	10/08/12 17:18	1
Potassium	**2100**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:18	1
Magnesium	**60000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:18	1
Manganese	**68**	**B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:18	1
Sodium	**68000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:35	1
Nickel	20	U	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:18	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:18	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:18	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**86**		5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:24	1
Barium	**150**		100	0.67	ug/L		10/03/12 13:54	10/08/12 17:24	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:24	1
Calcium	**170000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:24	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:24	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:24	1
Iron	**11000**		100	81	ug/L		10/03/12 13:54	10/08/12 17:24	1
Potassium	**28000**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:24	1
Magnesium	**53000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:24	1
Manganese	**350**	**B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:24	1
Sodium	**130000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:41	1
Nickel	**8.3**	**J**	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:24	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:24	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:24	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:24	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**18**		5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:31	1
Barium	**720**		100	0.67	ug/L		10/03/12 13:54	10/08/12 17:31	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:31	1
Calcium	**420000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:31	1
Cobalt	**7.5**		7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:31	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:31	1
Iron	**17000**		100	81	ug/L		10/03/12 13:54	10/08/12 17:31	1
Potassium	**13000**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:31	1
Magnesium	**85000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:31	1
Manganese	**2200**	**B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:31	1
Sodium	**1200000**		5000	3000	ug/L		10/03/12 13:54	10/09/12 09:47	5
Nickel	**8.0**	**J**	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:31	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:31	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:31	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:31	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:37	1
Barium	**64**	**J**	100	0.67	ug/L		10/03/12 13:54	10/08/12 17:37	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:37	1
Calcium	**160000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:37	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:37	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:37	1
Iron	**86**	**J**	100	81	ug/L		10/03/12 13:54	10/08/12 17:37	1
Potassium	**1300**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:37	1
Magnesium	**26000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:37	1
Manganese	**2.4**	**J B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:37	1
Sodium	**18000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:52	1
Nickel	20	U	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:37	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:37	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:37	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:37	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:43	1
Barium	**66**	**J**	100	0.67	ug/L		10/03/12 13:54	10/08/12 17:43	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:43	1
Calcium	**160000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:43	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:43	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:43	1
Iron	**89**	**J**	100	81	ug/L		10/03/12 13:54	10/08/12 17:43	1
Potassium	**1400**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:43	1
Magnesium	**27000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:43	1
Manganese	**2.6**	**J B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:43	1
Sodium	**19000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:58	1
Nickel	20	U	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:43	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:43	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:43	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:43	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-718
Date Collected: 09/26/12 08:20
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	91000		5000	130	ug/L		10/03/12 09:03	10/08/12 19:52	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 19:52	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-719
Date Collected: 09/26/12 08:24
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	94000		5000	130	ug/L		10/03/12 09:03	10/08/12 19:58	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 19:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-720
Date Collected: 09/26/12 08:42
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	89000		5000	130	ug/L		10/03/12 09:03	10/08/12 20:04	1
Magnesium	22000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 20:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-721
Date Collected: 09/26/12 09:10
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	92000		5000	130	ug/L		10/03/12 09:03	10/08/12 20:11	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 20:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-722
Date Collected: 09/26/12 09:26
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	92000		5000	130	ug/L		10/03/12 09:03	10/08/12 20:17	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 20:17	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-723
Date Collected: 09/26/12 10:00
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	92000		5000	130	ug/L		10/03/12 09:03	10/08/12 20:23	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 20:23	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 17:36	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 17:36	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 17:36	1
Copper	25	U	25	0.29	ug/L		09/27/12 09:51	09/28/12 17:36	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 17:36	1
Zinc	10	U	10	2.3	ug/L		09/27/12 09:51	09/28/12 17:36	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 17:36	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 17:42	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 17:42	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 17:42	1
Copper	**0.44**	**J B**	25	0.29	ug/L		09/27/12 09:51	09/28/12 17:42	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 17:42	1
Zinc	**5.6**	**J B**	10	2.3	ug/L		09/27/12 09:51	09/28/12 17:42	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 17:42	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 17:47	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 17:47	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 17:47	1
Copper	**0.48**	**J B**	25	0.29	ug/L		09/27/12 09:51	09/28/12 17:47	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 17:47	1
Zinc	**3.1**	**J B**	10	2.3	ug/L		09/27/12 09:51	09/28/12 17:47	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 17:47	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 18:06	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 18:06	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 18:06	1
Copper	25	U	25	0.29	ug/L		09/27/12 09:51	09/28/12 18:06	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 18:06	1
Zinc	10	U	10	2.3	ug/L		09/27/12 09:51	09/28/12 18:06	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 18:06	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/05/12 12:53	10/08/12 19:44	1
Antimony	**0.20**	**J**	5.0	0.13	ug/L		10/05/12 12:53	10/08/12 19:44	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/05/12 12:53	10/08/12 19:44	1
Copper	25	U	25	0.29	ug/L		10/05/12 12:53	10/08/12 19:44	1
Thallium	**0.49**	**J**	2.0	0.14	ug/L		10/05/12 12:53	10/08/12 19:44	1
Zinc	**5.1**	**J B**	10	2.3	ug/L		10/05/12 12:53	10/08/12 19:44	1
Silver	0.50	U	0.50	0.080	ug/L		10/05/12 12:53	10/08/12 19:44	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 21:44	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 21:44	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 21:44	1
Copper	25	U	25	0.29	ug/L		10/03/12 13:54	10/04/12 21:44	1
Thallium	**0.27**	**J B**	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 21:44	1
Zinc	**4.2**	**J**	10	2.3	ug/L		10/03/12 13:54	10/04/12 21:44	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 21:44	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 21:49	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 21:49	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 21:49	1
Copper	25	U	25	0.29	ug/L		10/03/12 13:54	10/04/12 21:49	1
Thallium	**0.20**	**J B**	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 21:49	1
Zinc	10	U	10	2.3	ug/L		10/03/12 13:54	10/04/12 21:49	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 21:49	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 21:55	1
Antimony	**0.16**	**J**	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 21:55	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 21:55	1
Copper	25	U	25	0.29	ug/L		10/03/12 13:54	10/04/12 21:55	1
Thallium	**0.17**	**J B**	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 21:55	1
Zinc	**1200**		10	2.3	ug/L		10/03/12 13:54	10/04/12 21:55	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 21:55	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 22:00	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 22:00	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 22:00	1
Copper	**0.38**	**J**	25	0.29	ug/L		10/03/12 13:54	10/04/12 22:00	1
Thallium	**0.14**	**J B**	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 22:00	1
Zinc	**620**		10	2.3	ug/L		10/03/12 13:54	10/04/12 22:00	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 22:00	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 22:06	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 22:06	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 22:06	1
Copper	**0.65**	**J**	25	0.29	ug/L		10/03/12 13:54	10/04/12 22:06	1
Thallium	2.0	U	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 22:06	1
Zinc	**3.3**	**J**	10	2.3	ug/L		10/03/12 13:54	10/04/12 22:06	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 22:06	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 22:11	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 22:11	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 22:11	1
Copper	**1.2**	**J**	25	0.29	ug/L		10/03/12 13:54	10/04/12 22:11	1
Thallium	2.0	U	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 22:11	1
Zinc	**8.5**	**J**	10	2.3	ug/L		10/03/12 13:54	10/04/12 22:11	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 22:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 14:26	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 14:28	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 14:29	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 14:31	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 13:56	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 17:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 17:59	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 18:01	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 18:02	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 18:03	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 18:05	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55**		1.0	0.10	mg/L			09/26/12 15:46	1
Sulfate	**31**		1.0	0.12	mg/L			09/26/12 15:46	1
Ammonia (as N)	**0.22**		0.20	0.035	mg/L			10/02/12 15:21	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:39	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**330**		5.0	2.7	mg/L			09/29/12 14:35	1
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:19	10/04/12 12:59	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 08:53	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:31	10/02/12 12:32	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		1.0	0.10	mg/L			09/26/12 16:02	1
Sulfate	**2.9**		1.0	0.12	mg/L			09/26/12 16:02	1
Ammonia (as N)	**0.28**		0.20	0.035	mg/L			10/02/12 15:26	1
Phenols, Total	**0.017**	**J**	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:40	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**270**		5.0	2.7	mg/L			09/29/12 15:27	1
Total Phosphorus as PO4	**0.039**	**J**	0.10	0.033	mg/L		10/04/12 08:20	10/04/12 12:59	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 09:01	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:36	10/02/12 12:35	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11**		1.0	0.10	mg/L			09/26/12 16:18	1
Sulfate	**8.0**		1.0	0.12	mg/L			09/26/12 16:18	1
Ammonia (as N)	**0.27**		0.20	0.035	mg/L			10/02/12 15:30	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:41	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**270**		5.0	2.7	mg/L			09/29/12 15:37	1
Total Phosphorus as PO4	**0.084**	**J**	0.10	0.033	mg/L		10/04/12 08:21	10/04/12 12:59	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 09:09	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:38	10/02/12 12:36	1

General Chemistry

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		1.0	0.10	mg/L			09/26/12 16:35	1
Sulfate	**2.3**		1.0	0.12	mg/L			09/26/12 16:35	1
Ammonia (as N)	**18**		2.0	0.35	mg/L			10/02/12 15:51	10
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:41	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**360**		5.0	2.7	mg/L			09/29/12 15:50	1
Total Phosphorus as PO4	**0.24**		0.10	0.033	mg/L		10/04/12 08:23	10/04/12 12:59	1
Biochemical Oxygen Demand	**7.9**		2.0	2.0	mg/L			09/26/12 09:19	1
Chemical Oxygen Demand	**24**		20	10	mg/L		10/02/12 08:40	10/02/12 12:37	1

General Chemistry

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		1.0	0.10	mg/L			09/26/12 16:51	1
Sulfate	1.0	U	1.0	0.12	mg/L			09/26/12 16:51	1
Ammonia (as N)	**29**		2.0	0.35	mg/L			10/02/12 14:23	10
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:42	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**410**		5.0	2.7	mg/L			10/04/12 11:02	1
Total Phosphorus as PO4	**0.59**		0.10	0.033	mg/L		10/04/12 08:14	10/04/12 12:59	1
Biochemical Oxygen Demand	**10**		2.0	2.0	mg/L			09/26/12 09:27	1
Chemical Oxygen Demand	**39**		20	10	mg/L		10/02/12 08:42	10/02/12 12:38	1

General Chemistry

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		5.0	0.50	mg/L			09/28/12 05:30	5
Sulfate	1.0	U	1.0	0.12	mg/L			09/28/12 15:29	1
Ammonia (as N)	**3.0**		0.20	0.035	mg/L			10/04/12 10:51	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:40	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:32	1
Alkalinity	**360**		5.0	2.7	mg/L			09/29/12 16:15	1
Total Phosphorus as PO4	**0.12**		0.10	0.033	mg/L		10/04/12 08:24	10/04/12 12:59	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 13:29	1
Chemical Oxygen Demand	**49**		20	10	mg/L		10/02/12 08:46	10/02/12 12:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		5.0	0.50	mg/L			09/28/12 05:50	5
Sulfate	**0.92**	**J**	1.0	0.12	mg/L			09/28/12 15:47	1
Ammonia (as N)	**0.69**		0.20	0.035	mg/L			10/04/12 11:02	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:44	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:36	1
Alkalinity	**440**		5.0	2.7	mg/L			09/29/12 16:32	1
Total Phosphorus as PO4	**0.077**	**J**	0.10	0.033	mg/L		10/04/12 08:25	10/04/12 13:02	1
Chemical Oxygen Demand	**57**		20	10	mg/L		10/02/12 08:47	10/02/12 12:41	1

General Chemistry

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		10	1.0	mg/L			09/28/12 06:31	10
Sulfate	**2.6**		1.0	0.12	mg/L			09/28/12 16:04	1
Ammonia (as N)	**81**		4.0	0.70	mg/L			10/04/12 11:17	20
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:45	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:36	1
Alkalinity	**840**		5.0	2.7	mg/L			09/29/12 17:07	1
Total Phosphorus as PO4	**0.21**		0.10	0.033	mg/L		10/04/12 08:27	10/04/12 13:02	1
Chemical Oxygen Demand	**140**		20	10	mg/L		10/02/12 08:49	10/02/12 12:42	1

General Chemistry

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**		20	2.0	mg/L			09/28/12 06:51	20
Sulfate	**140**		20	2.4	mg/L			09/28/12 06:51	20
Ammonia (as N)	**1.6**		0.20	0.035	mg/L			10/04/12 11:17	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:46	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:36	1
Alkalinity	**650**		5.0	2.7	mg/L			09/29/12 17:25	1
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:28	10/04/12 13:02	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 14:14	1
Chemical Oxygen Demand	**86**		20	10	mg/L		10/02/12 08:51	10/02/12 12:43	1

General Chemistry

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76**		5.0	0.50	mg/L			09/28/12 07:11	5
Sulfate	**12**		5.0	0.60	mg/L			09/28/12 07:11	5
Ammonia (as N)	**0.076**	**J**	0.20	0.035	mg/L			10/04/12 11:17	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:47	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:36	1
Alkalinity	**420**		5.0	2.7	mg/L			09/29/12 17:38	1
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:29	10/04/12 13:02	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 11:58	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:53	10/02/12 12:44	1

General Chemistry

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76**		5.0	0.50	mg/L			09/28/12 07:31	5
Sulfate	**13**		5.0	0.60	mg/L			09/28/12 07:31	5
Ammonia (as N)	**0.075**	**J**	0.20	0.035	mg/L			10/04/12 12:53	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:50	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:37	1
Alkalinity	**420**		5.0	2.7	mg/L			10/02/12 12:52	1
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:31	10/04/12 13:02	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 12:05	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:58	10/02/12 12:47	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-718
Date Collected: 09/26/12 08:20
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	**370**		5.0	3.1	mg/L			10/05/12 12:00	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-719
Date Collected: 09/26/12 08:24
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.0	J	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	350		5.0	3.1	mg/L			10/05/12 12:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-720
Date Collected: 09/26/12 08:42
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	**370**		5.0	3.1	mg/L			10/05/12 12:20	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-721
Date Collected: 09/26/12 09:10
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.0	J	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	380		5.0	3.1	mg/L			10/05/12 12:30	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-722
Date Collected: 09/26/12 09:26
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0		4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	370		5.0	3.1	mg/L			10/05/12 12:40	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-723
Date Collected: 09/26/12 10:00
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	**350**		5.0	3.1	mg/L			10/05/12 12:50	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry - RA

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U H	2.0	2.0	mg/L			10/03/12 08:44	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry - RA

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U H	2.0	2.0	mg/L			10/03/12 08:49	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

GC/MS VOA

Analysis Batch: 59311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	8260B	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	8260B	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	8260B	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	8260B	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	8260B	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	8260B	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	8260B	
240-15550-6	TB-52222-092412-JV-710	Total/NA	Water	8260B	
LCS 240-59311/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-59311/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 59432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	8260B	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	8260B	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	8260B	
240-15580-7	TB-52222-092512-JV-717	Total/NA	Water	8260B	
LCS 240-59432/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-59432/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 59615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	8260B	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	8260B	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	8260B	
240-15580-3 MS	GW-52222-092512-JV-713	Total/NA	Water	8260B	
240-15580-3 MSD	GW-52222-092512-JV-713	Total/NA	Water	8260B	
LCS 240-59615/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-59615/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 59148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	7470A	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	7470A	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	7470A	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	7470A	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	7470A	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	7470A	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	7470A	
LCS 240-59148/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-59148/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 59160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	7470A	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	7470A	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	7470A	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	7470A	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	7470A	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 59160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-59160/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-59160/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 59257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total Recoverable	Water	3005A	
240-15550-2	GW-52222-092412-JV-706	Total Recoverable	Water	3005A	
240-15550-3	GW-52222-092412-JV-707	Total Recoverable	Water	3005A	
240-15550-4	GW-52222-092412-JV-708	Total Recoverable	Water	3005A	
LCS 240-59257/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-59257/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-59257/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 59366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	7470A	59148
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	7470A	59148
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	7470A	59148
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	7470A	59148
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	7470A	59148
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	7470A	59148
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	7470A	59148
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	7470A	59160
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	7470A	59160
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	7470A	59160
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	7470A	59160
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	7470A	59160
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	7470A	59160
LCS 240-59148/2-A	Lab Control Sample	Total/NA	Water	7470A	59148
LCS 240-59160/2-A	Lab Control Sample	Total/NA	Water	7470A	59160
MB 240-59148/1-A	Method Blank	Total/NA	Water	7470A	59148
MB 240-59160/1-A	Method Blank	Total/NA	Water	7470A	59160

Analysis Batch: 59547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total Recoverable	Water	6020	59257
240-15550-2	GW-52222-092412-JV-706	Total Recoverable	Water	6020	59257
240-15550-3	GW-52222-092412-JV-707	Total Recoverable	Water	6020	59257
240-15550-4	GW-52222-092412-JV-708	Total Recoverable	Water	6020	59257
LCS 240-59257/3-A	Lab Control Sample	Total Recoverable	Water	6020	59257
MB 240-59257/1-A	Method Blank	Total Recoverable	Water	6020	59257

Analysis Batch: 59761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total Recoverable	Water	6010B	59257
240-15550-2	GW-52222-092412-JV-706	Total Recoverable	Water	6010B	59257
240-15550-3	GW-52222-092412-JV-707	Total Recoverable	Water	6010B	59257
240-15550-4	GW-52222-092412-JV-708	Total Recoverable	Water	6010B	59257
LCS 240-59257/2-A	Lab Control Sample	Total Recoverable	Water	6010B	59257
MB 240-59257/1-A	Method Blank	Total Recoverable	Water	6010B	59257

Metals (Continued)

Prep Batch: 59940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15668-1	SW-52222-092612-JV-718	Total Recoverable	Water	3005A	
240-15668-2	SW-52222-092612-JV-719	Total Recoverable	Water	3005A	
240-15668-3	SW-52222-092612-JV-720	Total Recoverable	Water	3005A	
240-15668-4	SW-52222-092612-JV-721	Total Recoverable	Water	3005A	
240-15668-5	SW-52222-092612-JV-722	Total Recoverable	Water	3005A	
240-15668-6	SW-52222-092612-JV-723	Total Recoverable	Water	3005A	
LCS 240-59940/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-59940/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 60024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total Recoverable	Water	3005A	
240-15580-2	GW-52222-092512-JV-712	Total Recoverable	Water	3005A	
240-15580-3	GW-52222-092512-JV-713	Total Recoverable	Water	3005A	
240-15580-4	GW-52222-092512-JV-714	Total Recoverable	Water	3005A	
240-15580-5	GW-52222-092512-JV-715	Total Recoverable	Water	3005A	
240-15580-6	GW-52222-092512-JV-716	Total Recoverable	Water	3005A	
LCS 240-60024/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-60024/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 60094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total Recoverable	Water	6010B	59257
240-15550-2	GW-52222-092412-JV-706	Total Recoverable	Water	6010B	59257
240-15550-3	GW-52222-092412-JV-707	Total Recoverable	Water	6010B	59257
240-15550-4	GW-52222-092412-JV-708	Total Recoverable	Water	6010B	59257
LCS 240-59257/2-A	Lab Control Sample	Total Recoverable	Water	6010B	59257
MB 240-59257/1-A	Method Blank	Total Recoverable	Water	6010B	59257

Analysis Batch: 60265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total Recoverable	Water	6020	60024
240-15580-2	GW-52222-092512-JV-712	Total Recoverable	Water	6020	60024
240-15580-3	GW-52222-092512-JV-713	Total Recoverable	Water	6020	60024
240-15580-4	GW-52222-092512-JV-714	Total Recoverable	Water	6020	60024
240-15580-5	GW-52222-092512-JV-715	Total Recoverable	Water	6020	60024
240-15580-6	GW-52222-092512-JV-716	Total Recoverable	Water	6020	60024
LCS 240-60024/3-A	Lab Control Sample	Total Recoverable	Water	6020	60024
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6020	60024

Prep Batch: 60351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
240-15550-5 MS	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
240-15550-5 MS	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
240-15550-5 MSD	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
240-15550-5 MSD	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
LCS 240-60351/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-60351/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-60351/1-A	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Analysis Batch: 60419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-60024/3-A	Lab Control Sample	Total Recoverable	Water	6020	60024
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6020	60024

Analysis Batch: 60579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total Recoverable	Water	6010B	60024
240-15580-2	GW-52222-092512-JV-712	Total Recoverable	Water	6010B	60024
240-15580-3	GW-52222-092512-JV-713	Total Recoverable	Water	6010B	60024
240-15580-4	GW-52222-092512-JV-714	Total Recoverable	Water	6010B	60024
240-15580-5	GW-52222-092512-JV-715	Total Recoverable	Water	6010B	60024
240-15580-6	GW-52222-092512-JV-716	Total Recoverable	Water	6010B	60024
240-15668-1	SW-52222-092612-JV-718	Total Recoverable	Water	6010B	59940
240-15668-2	SW-52222-092612-JV-719	Total Recoverable	Water	6010B	59940
240-15668-3	SW-52222-092612-JV-720	Total Recoverable	Water	6010B	59940
240-15668-4	SW-52222-092612-JV-721	Total Recoverable	Water	6010B	59940
240-15668-5	SW-52222-092612-JV-722	Total Recoverable	Water	6010B	59940
240-15668-6	SW-52222-092612-JV-723	Total Recoverable	Water	6010B	59940
LCS 240-59940/2-A	Lab Control Sample	Total Recoverable	Water	6010B	59940
LCS 240-60024/2-A	Lab Control Sample	Total Recoverable	Water	6010B	60024
MB 240-59940/1-A	Method Blank	Total Recoverable	Water	6010B	59940
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6010B	60024

Analysis Batch: 60580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5	GW-52222-092412-JV-709	Total Recoverable	Water	6020	60351
240-15550-5 MS	GW-52222-092412-JV-709	Total Recoverable	Water	6020	60351
240-15550-5 MSD	GW-52222-092412-JV-709	Total Recoverable	Water	6020	60351
LCS 240-60024/3-A	Lab Control Sample	Total Recoverable	Water	6020	60024
LCS 240-60351/3-A	Lab Control Sample	Total Recoverable	Water	6020	60351
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6020	60024
MB 240-60351/1-A	Method Blank	Total Recoverable	Water	6020	60351

Analysis Batch: 60643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total Recoverable	Water	6010B	60024
240-15580-2	GW-52222-092512-JV-712	Total Recoverable	Water	6010B	60024
240-15580-3	GW-52222-092512-JV-713	Total Recoverable	Water	6010B	60024
240-15580-4	GW-52222-092512-JV-714	Total Recoverable	Water	6010B	60024
240-15580-5	GW-52222-092512-JV-715	Total Recoverable	Water	6010B	60024
240-15580-6	GW-52222-092512-JV-716	Total Recoverable	Water	6010B	60024
LCS 240-60024/2-A	Lab Control Sample	Total Recoverable	Water	6010B	60024
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6010B	60024

Analysis Batch: 60742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5	GW-52222-092412-JV-709	Total Recoverable	Water	6010B	60351
240-15550-5 MS	GW-52222-092412-JV-709	Total Recoverable	Water	6010B	60351
240-15550-5 MSD	GW-52222-092412-JV-709	Total Recoverable	Water	6010B	60351
LCS 240-60351/2-A	Lab Control Sample	Total Recoverable	Water	6010B	60351
MB 240-60351/1-A	Method Blank	Total Recoverable	Water	6010B	60351

General Chemistry

Analysis Batch: 59055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 5210B	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 5210B	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 5210B	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 5210B	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 5210B	
240-15550-5 DU	GW-52222-092412-JV-709	Total/NA	Water	SM 5210B	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 5210B	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 5210B	
LCS 240-59055/3	Lab Control Sample	Total/NA	Water	SM 5210B	
SCB 240-59055/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 240-59055/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 59159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	300.0	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	300.0	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	300.0	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	300.0	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	300.0	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	300.0	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	300.0	
LCS 240-59159/6	Lab Control Sample	Total/NA	Water	300.0	
MB 240-59159/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 59180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 5210B	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 5210B	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 5210B	
LCS 240-59180/3	Lab Control Sample	Total/NA	Water	SM 5210B	
SCB 240-59180/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 240-59180/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 59302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	300.0	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	300.0	
240-15580-2 MS	GW-52222-092512-JV-712	Total/NA	Water	300.0	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	300.0	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	300.0	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	300.0	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	300.0	
LCS 240-59302/28	Lab Control Sample	Total/NA	Water	300.0	
MB 240-59302/27	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 59466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15668-1	SW-52222-092612-JV-718	Total/NA	Water	160.2	
240-15668-1 DU	SW-52222-092612-JV-718	Total/NA	Water	160.2	
240-15668-2	SW-52222-092612-JV-719	Total/NA	Water	160.2	
240-15668-3	SW-52222-092612-JV-720	Total/NA	Water	160.2	
240-15668-4	SW-52222-092612-JV-721	Total/NA	Water	160.2	

General Chemistry (Continued)

Analysis Batch: 59466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15668-5	SW-52222-092612-JV-722	Total/NA	Water	160.2	
240-15668-6	SW-52222-092612-JV-723	Total/NA	Water	160.2	
LCS 240-59466/2	Lab Control Sample	Total/NA	Water	160.2	
MB 240-59466/1	Method Blank	Total/NA	Water	160.2	

Analysis Batch: 59472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	300.0	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	300.0	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	300.0	
LCS 240-59472/6	Lab Control Sample	Total/NA	Water	300.0	
MB 240-59472/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 59623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 2320B	
240-15550-1 MS	GW-52222-092412-JV-705	Total/NA	Water	SM 2320B	
240-15550-1 MSD	GW-52222-092412-JV-705	Total/NA	Water	SM 2320B	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 2320B	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 2320B	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 2320B	
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 2320B	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	SM 2320B	
240-15580-2 DU	GW-52222-092512-JV-712	Total/NA	Water	SM 2320B	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 2320B	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 2320B	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 2320B	
LCS 240-59623/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 240-59623/5	Method Blank	Total/NA	Water	SM 2320B	

Prep Batch: 59644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	Distill/Phenol	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	Distill/Phenol	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	Distill/Phenol	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	Distill/Phenol	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	Distill/Phenol	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	Distill/Phenol	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	Distill/Phenol	
LCS 240-59644/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 240-59644/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 59690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	420.1	59644
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	420.1	59644
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	420.1	59644
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	420.1	59644
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	420.1	59644
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	420.1	59644
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	420.1	59644
LCS 240-59644/2-A	Lab Control Sample	Total/NA	Water	420.1	59644

General Chemistry (Continued)

Analysis Batch: 59690 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-59644/1-A	Method Blank	Total/NA	Water	420.1	59644

Prep Batch: 59776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 5220	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 5220	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 5220	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 5220	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 5220	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	SM 5220	
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 5220	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	SM 5220	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 5220	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 5220	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 5220	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 5220	
LCS 240-59776/10-A	Lab Control Sample	Total/NA	Water	SM 5220	
MB 240-59776/9-A	Method Blank	Total/NA	Water	SM 5220	

Prep Batch: 59796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	9012A	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	9012A	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	9012A	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	9012A	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	9012A	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	9012A	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	9012A	
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	9012A	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	9012A	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	9012A	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	9012A	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	9012A	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	9012A	
LCS 240-59796/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-59796/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 59843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 5220D	59776
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 5220D	59776
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 5220D	59776
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 5220D	59776
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 5220D	59776
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	SM 5220D	59776
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 5220D	59776
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	SM 5220D	59776
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 5220D	59776
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 5220D	59776
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 5220D	59776
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 5220D	59776
LCS 240-59776/10-A	Lab Control Sample	Total/NA	Water	SM 5220D	59776

General Chemistry (Continued)

Analysis Batch: 59843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-59776/9-A	Method Blank	Total/NA	Water	SM 5220D	59776

Analysis Batch: 59880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	9012A	59796
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	9012A	59796
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	9012A	59796
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	9012A	59796
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	9012A	59796
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	9012A	59796
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	9012A	59796
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	9012A	59796
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	9012A	59796
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	9012A	59796
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	9012A	59796
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	9012A	59796
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	9012A	59796
LCS 240-59796/2-A	Lab Control Sample	Total/NA	Water	9012A	59796
MB 240-59796/1-A	Method Blank	Total/NA	Water	9012A	59796

Analysis Batch: 59888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	350.3	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	350.3	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	350.3	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	350.3	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	350.3	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	350.3	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	350.3	
LCS 240-59888/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-59888/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 59938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 2320B	
240-15580-6 DU	GW-52222-092512-JV-716	Total/NA	Water	SM 2320B	
LCS 240-59938/7	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 240-59938/4	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 59997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-2 - RA	GW-52222-092512-JV-712	Total/NA	Water	SM 5210B	
240-15580-3 - RA	GW-52222-092512-JV-713	Total/NA	Water	SM 5210B	
LCS 240-59997/3	Lab Control Sample	Total/NA	Water	SM 5210B	
SCB 240-59997/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 240-59997/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Prep Batch: 60097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	365.2/365.3/365	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	365.2/365.3/365	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 60097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	365.2/365.3/365	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	365.2/365.3/365	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	365.2/365.3/365	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	365.2/365.3/365	
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	365.2/365.3/365	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	365.2/365.3/365	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	365.2/365.3/365	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	365.2/365.3/365	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	365.2/365.3/365	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	365.2/365.3/365	
LCS 240-60097/11-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MB 240-60097/10-A	Method Blank	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 60189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 4500 P E	60097
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 4500 P E	60097
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 4500 P E	60097
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 4500 P E	60097
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 4500 P E	60097
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	SM 4500 P E	60097
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	SM 4500 P E	60097
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 4500 P E	60097
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	SM 4500 P E	60097
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 4500 P E	60097
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 4500 P E	60097
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 4500 P E	60097
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 4500 P E	60097
LCS 240-60097/11-A	Lab Control Sample	Total/NA	Water	SM 4500 P E	60097
MB 240-60097/10-A	Method Blank	Total/NA	Water	SM 4500 P E	60097

Analysis Batch: 60228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	350.3	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	350.3	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	350.3	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	350.3	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	350.3	
240-15580-5 MS	GW-52222-092512-JV-715	Total/NA	Water	350.3	
240-15580-5 MSD	GW-52222-092512-JV-715	Total/NA	Water	350.3	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	350.3	
LCS 240-60228/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-60228/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 60238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 2320B	
240-15550-5 DU	GW-52222-092412-JV-709	Total/NA	Water	SM 2320B	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	SM 2320B	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	SM 2320B	
LCS 240-60238/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 240-60238/3	Method Blank	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 60300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15668-1	SW-52222-092612-JV-718	Total/NA	Water	SM 2340C	
240-15668-2	SW-52222-092612-JV-719	Total/NA	Water	SM 2340C	
240-15668-3	SW-52222-092612-JV-720	Total/NA	Water	SM 2340C	
240-15668-4	SW-52222-092612-JV-721	Total/NA	Water	SM 2340C	
240-15668-5	SW-52222-092612-JV-722	Total/NA	Water	SM 2340C	
240-15668-6	SW-52222-092612-JV-723	Total/NA	Water	SM 2340C	
LCS 240-60300/8	Lab Control Sample	Total/NA	Water	SM 2340C	
MB 240-60300/4	Method Blank	Total/NA	Water	SM 2340C	

Prep Batch: 60465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	Distill/Phenol	
240-15580-1 MS	GW-52222-092512-JV-711	Total/NA	Water	Distill/Phenol	
240-15580-1 MSD	GW-52222-092512-JV-711	Total/NA	Water	Distill/Phenol	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	Distill/Phenol	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	Distill/Phenol	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	Distill/Phenol	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	Distill/Phenol	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	Distill/Phenol	
LCS 240-60465/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 240-60465/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 60468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	420.1	60465
240-15580-1 MS	GW-52222-092512-JV-711	Total/NA	Water	420.1	60465
240-15580-1 MSD	GW-52222-092512-JV-711	Total/NA	Water	420.1	60465
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	420.1	60465
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	420.1	60465
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	420.1	60465
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	420.1	60465
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	420.1	60465
LCS 240-60465/2-A	Lab Control Sample	Total/NA	Water	420.1	60465
MB 240-60465/1-A	Method Blank	Total/NA	Water	420.1	60465

Prep Batch: 60517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	SM 5220	

Analysis Batch: 60543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	SM 5220D	60517

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

Lab Sample ID: MB 240-59311/5
Matrix: Water
Analysis Batch: 59311

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 14:23	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 14:23	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 14:23	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 14:23	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 14:23	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 14:23	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 14:23	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 14:23	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 14:23	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 14:23	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 14:23	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 14:23	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 14:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 14:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 14:23	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 14:23	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 14:23	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 14:23	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 14:23	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 14:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 14:23	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 14:23	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 14:23	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 14:23	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 14:23	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 14:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 14:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 14:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 14:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 14:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 14:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*63 - 129*		*09/27/12 14:23*	*1*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*		*09/27/12 14:23*	*1*
Toluene-d8 (Surr)	*96*		*74 - 115*		*09/27/12 14:23*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 121*		*09/27/12 14:23*	*1*

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

Lab Sample ID: LCS 240-59311/4
Matrix: Water
Analysis Batch: 59311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.4		ug/L		92	43 - 136
Benzene	10.0	8.85		ug/L		88	83 - 112
Bromodichloromethane	10.0	8.80		ug/L		88	72 - 121
Bromoform	10.0	9.50		ug/L		95	40 - 131
Bromomethane	10.0	7.73		ug/L		77	11 - 185
2-Butanone (MEK)	20.0	18.7		ug/L		94	60 - 126
Carbon disulfide	10.0	8.11		ug/L		81	62 - 142
Carbon tetrachloride	10.0	8.78		ug/L		88	66 - 128
Chlorobenzene	10.0	9.76		ug/L		98	85 - 110
Chloroethane	10.0	7.31		ug/L		73	25 - 153
Chloroform	10.0	8.57		ug/L		86	79 - 117
Chloromethane	10.0	7.49		ug/L		75	44 - 126
1,1-Dichloroethane	10.0	8.80		ug/L		88	82 - 115
1,2-Dichloroethane	10.0	8.53		ug/L		85	71 - 127
1,1-Dichloroethene	10.0	8.91		ug/L		89	78 - 131
1,2-Dichloropropane	10.0	9.24		ug/L		92	81 - 115
cis-1,3-Dichloropropene	10.0	7.86		ug/L		79	61 - 115
trans-1,3-Dichloropropene	10.0	8.99		ug/L		90	58 - 117
Ethylbenzene	10.0	10.0		ug/L		100	83 - 112
2-Hexanone	20.0	24.0		ug/L		120	55 - 133
Methylene Chloride	10.0	8.89		ug/L		89	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.0		ug/L		95	63 - 128
Styrene	10.0	10.6		ug/L		106	79 - 114
1,1,2,2-Tetrachloroethane	10.0	11.0		ug/L		110	68 - 118
Tetrachloroethene	10.0	9.19		ug/L		92	79 - 114
Toluene	10.0	9.75		ug/L		98	84 - 111
Trichloroethene	10.0	8.90		ug/L		89	76 - 117
Vinyl chloride	10.0	7.81		ug/L		78	53 - 127
1,1,1-Trichloroethane	10.0	8.58		ug/L		86	74 - 118
1,1,2-Trichloroethane	10.0	10.2		ug/L		102	80 - 112
cis-1,2-Dichloroethene	10.0	8.86		ug/L		89	80 - 113
trans-1,2-Dichloroethene	10.0	8.79		ug/L		88	83 - 117
1,2-Dichlorobenzene	10.0	10.1		ug/L		101	81 - 110
1,3-Dichlorobenzene	10.0	10.1		ug/L		101	80 - 110
1,4-Dichlorobenzene	10.0	9.94		ug/L		99	82 - 110
Dibromochloromethane	10.0	9.60		ug/L		96	64 - 119
m-Xylene & p-Xylene	20.0	21.1		ug/L		105	83 - 113
o-Xylene	10.0	10.2		ug/L		102	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 129*
4-Bromofluorobenzene (Surr)	*104*		*66 - 117*
Toluene-d8 (Surr)	*99*		*74 - 115*
Dibromofluoromethane (Surr)	*88*		*75 - 121*

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

Lab Sample ID: 240-15550-5 MS
Matrix: Water
Analysis Batch: 59311

Client Sample ID: GW-52222-092412-JV-709
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	20.0	14.1		ug/L		71	33 - 145
Benzene	0.29	J	10.0	8.96		ug/L		87	72 - 121
Bromodichloromethane	1.0	U	10.0	8.36		ug/L		84	67 - 120
Bromoform	1.0	U	10.0	8.24		ug/L		82	32 - 128
Bromomethane	1.0	U	10.0	6.09		ug/L		61	10 - 186
2-Butanone (MEK)	10	U	20.0	17.1		ug/L		85	54 - 129
Carbon disulfide	1.0	U	10.0	7.93		ug/L		79	57 - 147
Carbon tetrachloride	1.0	U	10.0	8.37		ug/L		84	59 - 129
Chlorobenzene	2.6		10.0	12.0		ug/L		94	80 - 110
Chloroethane	1.0	U	10.0	6.77		ug/L		68	21 - 165
Chloroform	1.0	U	10.0	8.22		ug/L		82	76 - 118
Chloromethane	1.0	U	10.0	5.87		ug/L		59	33 - 132
1,1-Dichloroethane	1.0	U	10.0	8.68		ug/L		87	79 - 116
1,2-Dichloroethane	1.0	U	10.0	8.19		ug/L		82	68 - 129
1,1-Dichloroethene	1.0	U	10.0	8.69		ug/L		87	74 - 135
1,2-Dichloropropane	1.0	U	10.0	9.01		ug/L		90	78 - 115
cis-1,3-Dichloropropene	1.0	U	10.0	6.79		ug/L		68	51 - 110
trans-1,3-Dichloropropene	1.0	U	10.0	7.56		ug/L		76	46 - 116
Ethylbenzene	1.0	U	10.0	9.78		ug/L		98	75 - 116
2-Hexanone	10	U	20.0	21.8		ug/L		109	47 - 139
Methylene Chloride	1.0	U	10.0	8.14		ug/L		81	63 - 128
4-Methyl-2-pentanone (MIBK)	10	U	20.0	18.2		ug/L		91	56 - 131
Styrene	1.0	U	10.0	10.2		ug/L		102	71 - 117
1,1,2,2-Tetrachloroethane	1.0	U	10.0	9.92		ug/L		99	63 - 122
Tetrachloroethene	1.0	U	10.0	9.10		ug/L		91	70 - 117
Toluene	1.0	U	10.0	9.61		ug/L		96	78 - 114
Trichloroethene	1.0	U	10.0	8.74		ug/L		87	66 - 120
Vinyl chloride	1.0	U	10.0	7.43		ug/L		74	49 - 130
1,1,1-Trichloroethane	1.0	U	10.0	8.23		ug/L		82	68 - 121
1,1,2-Trichloroethane	1.0	U	10.0	9.87		ug/L		99	75 - 115
cis-1,2-Dichloroethene	1.0	U	10.0	8.78		ug/L		88	70 - 120
trans-1,2-Dichloroethene	1.0	U	10.0	8.77		ug/L		88	80 - 119
1,2-Dichlorobenzene	0.21	J	10.0	9.66		ug/L		94	75 - 111
1,3-Dichlorobenzene	1.0	U	10.0	9.68		ug/L		97	73 - 110
1,4-Dichlorobenzene	2.8		10.0	12.0		ug/L		91	75 - 110
Dibromochloromethane	1.0	U	10.0	8.71		ug/L		87	56 - 118
m-Xylene & p-Xylene	2.0		20.0	20.4		ug/L		102	75 - 117
o-Xylene	1.0		10.0	9.91		ug/L		99	76 - 116

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*83*		*63 - 129*
4-Bromofluorobenzene (Surr)	*99*		*66 - 117*
Toluene-d8 (Surr)	*98*		*74 - 115*
Dibromofluoromethane (Surr)	*88*		*75 - 121*

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

Lab Sample ID: 240-15550-5 MSD
Matrix: Water
Analysis Batch: 59311

Client Sample ID: GW-52222-092412-JV-709
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10	U	20.0	15.4		ug/L		77	33 - 145	8	30
Benzene	0.29	J	10.0	9.87		ug/L		96	72 - 121	10	30
Bromodichloromethane	1.0	U	10.0	9.36		ug/L		94	67 - 120	11	30
Bromoform	1.0	U	10.0	9.08		ug/L		91	32 - 128	10	30
Bromomethane	1.0	U	10.0	5.93		ug/L		59	10 - 186	3	30
2-Butanone (MEK)	10	U	20.0	18.3		ug/L		92	54 - 129	7	30
Carbon disulfide	1.0	U	10.0	8.90		ug/L		89	57 - 147	11	30
Carbon tetrachloride	1.0	U	10.0	9.29		ug/L		93	59 - 129	10	30
Chlorobenzene	2.6		10.0	13.3		ug/L		107	80 - 110	10	30
Chloroethane	1.0	U	10.0	6.05		ug/L		61	21 - 165	11	30
Chloroform	1.0	U	10.0	9.08		ug/L		91	76 - 118	10	30
Chloromethane	1.0	U	10.0	5.74		ug/L		57	33 - 132	2	30
1,1-Dichloroethane	1.0	U	10.0	9.48		ug/L		95	79 - 116	9	30
1,2-Dichloroethane	1.0	U	10.0	9.05		ug/L		90	68 - 129	10	30
1,1-Dichloroethene	1.0	U	10.0	9.53		ug/L		95	74 - 135	9	30
1,2-Dichloropropane	1.0	U	10.0	9.92		ug/L		99	78 - 115	10	30
cis-1,3-Dichloropropene	1.0	U	10.0	7.66		ug/L		77	51 - 110	12	30
trans-1,3-Dichloropropene	1.0	U	10.0	8.63		ug/L		86	46 - 116	13	30
Ethylbenzene	1.0	U	10.0	10.9		ug/L		109	75 - 116	11	30
2-Hexanone	10	U	20.0	23.8		ug/L		119	47 - 139	9	30
Methylene Chloride	1.0	U	10.0	9.00		ug/L		90	63 - 128	10	30
4-Methyl-2-pentanone (MIBK)	10	U	20.0	19.7		ug/L		99	56 - 131	8	30
Styrene	1.0	U	10.0	11.3		ug/L		113	71 - 117	10	30
1,1,2,2-Tetrachloroethane	1.0	U	10.0	11.1		ug/L		111	63 - 122	11	30
Tetrachloroethene	1.0	U	10.0	10.3		ug/L		103	70 - 117	12	30
Toluene	1.0	U	10.0	10.6		ug/L		106	78 - 114	10	30
Trichloroethene	1.0	U	10.0	9.53		ug/L		95	66 - 120	9	30
Vinyl chloride	1.0	U	10.0	7.88		ug/L		79	49 - 130	6	30
1,1,1-Trichloroethane	1.0	U	10.0	9.12		ug/L		91	68 - 121	10	30
1,1,2-Trichloroethane	1.0	U	10.0	11.0		ug/L		110	75 - 115	11	30
cis-1,2-Dichloroethene	1.0	U	10.0	9.64		ug/L		96	70 - 120	9	30
trans-1,2-Dichloroethene	1.0	U	10.0	9.57		ug/L		96	80 - 119	9	30
1,2-Dichlorobenzene	0.21	J	10.0	10.9		ug/L		107	75 - 111	13	30
1,3-Dichlorobenzene	1.0	U	10.0	10.7		ug/L		107	73 - 110	10	30
1,4-Dichlorobenzene	2.8		10.0	13.5		ug/L		107	75 - 110	12	30
Dibromochloromethane	1.0	U	10.0	10.0		ug/L		100	56 - 118	14	30
m-Xylene & p-Xylene	2.0		20.0	22.7		ug/L		114	75 - 117	11	30
o-Xylene	1.0		10.0	11.0		ug/L		110	76 - 116	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 129*
4-Bromofluorobenzene (Surr)	*111*		*66 - 117*
Toluene-d8 (Surr)	*111*		*74 - 115*
Dibromofluoromethane (Surr)	*95*		*75 - 121*

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

Lab Sample ID: MB 240-59432/5
Matrix: Water
Analysis Batch: 59432

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 12:08	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 12:08	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 12:08	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 12:08	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 12:08	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 12:08	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 12:08	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 12:08	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 12:08	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 12:08	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 12:08	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 12:08	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 12:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 12:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 12:08	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 12:08	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 12:08	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 12:08	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 12:08	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 12:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 12:08	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 12:08	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 12:08	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 12:08	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 12:08	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 12:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 12:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 12:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 12:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 12:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*09/28/12 12:08*	*1*
4-Bromofluorobenzene (Surr)	*86*		*66 - 117*		*09/28/12 12:08*	*1*
Toluene-d8 (Surr)	*89*		*74 - 115*		*09/28/12 12:08*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*09/28/12 12:08*	*1*

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

Lab Sample ID: LCS 240-59432/4
Matrix: Water
Analysis Batch: 59432

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.4		ug/L		87	43 - 136
Benzene	10.0	9.65		ug/L		97	83 - 112
Bromodichloromethane	10.0	9.46		ug/L		95	72 - 121
Bromoform	10.0	8.19		ug/L		82	40 - 131
Bromomethane	10.0	5.61		ug/L		56	11 - 185
2-Butanone (MEK)	20.0	17.7		ug/L		89	60 - 126
Carbon disulfide	10.0	9.39		ug/L		94	62 - 142
Carbon tetrachloride	10.0	9.72		ug/L		97	66 - 128
Chlorobenzene	10.0	9.42		ug/L		94	85 - 110
Chloroethane	10.0	5.83		ug/L		58	25 - 153
Chloroform	10.0	9.13		ug/L		91	79 - 117
Chloromethane	10.0	8.57		ug/L		86	44 - 126
1,1-Dichloroethane	10.0	9.79		ug/L		98	82 - 115
1,2-Dichloroethane	10.0	9.19		ug/L		92	71 - 127
1,1-Dichloroethene	10.0	9.83		ug/L		98	78 - 131
1,2-Dichloropropane	10.0	9.64		ug/L		96	81 - 115
cis-1,3-Dichloropropene	10.0	9.00		ug/L		90	61 - 115
trans-1,3-Dichloropropene	10.0	9.03		ug/L		90	58 - 117
Ethylbenzene	10.0	9.63		ug/L		96	83 - 112
2-Hexanone	20.0	17.8		ug/L		89	55 - 133
Methylene Chloride	10.0	9.93		ug/L		99	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	17.5		ug/L		87	63 - 128
Styrene	10.0	9.79		ug/L		98	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.21		ug/L		92	68 - 118
Tetrachloroethene	10.0	8.93		ug/L		89	79 - 114
Toluene	10.0	8.96		ug/L		90	84 - 111
Trichloroethene	10.0	9.19		ug/L		92	76 - 117
Vinyl chloride	10.0	7.77		ug/L		78	53 - 127
1,1,1-Trichloroethane	10.0	9.70		ug/L		97	74 - 118
1,1,2-Trichloroethane	10.0	9.35		ug/L		93	80 - 112
cis-1,2-Dichloroethene	10.0	9.34		ug/L		93	80 - 113
trans-1,2-Dichloroethene	10.0	9.40		ug/L		94	83 - 117
1,2-Dichlorobenzene	10.0	8.89		ug/L		89	81 - 110
1,3-Dichlorobenzene	10.0	9.33		ug/L		93	80 - 110
1,4-Dichlorobenzene	10.0	8.99		ug/L		90	82 - 110
Dibromochloromethane	10.0	9.09		ug/L		91	64 - 119
m-Xylene & p-Xylene	20.0	19.1		ug/L		95	83 - 113
o-Xylene	10.0	9.70		ug/L		97	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*
Toluene-d8 (Surr)	*94*		*74 - 115*
Dibromofluoromethane (Surr)	*92*		*75 - 121*

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

Lab Sample ID: MB 240-59615/5
Matrix: Water
Analysis Batch: 59615

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			10/01/12 11:24	1
Benzene	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			10/01/12 11:24	1
Bromoform	1.0	U	1.0	0.64	ug/L			10/01/12 11:24	1
Bromomethane	1.0	U	1.0	0.41	ug/L			10/01/12 11:24	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			10/01/12 11:24	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			10/01/12 11:24	1
Chloroethane	1.0	U	1.0	0.29	ug/L			10/01/12 11:24	1
Chloroform	1.0	U	1.0	0.16	ug/L			10/01/12 11:24	1
Chloromethane	1.0	U	1.0	0.30	ug/L			10/01/12 11:24	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			10/01/12 11:24	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			10/01/12 11:24	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/01/12 11:24	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			10/01/12 11:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			10/01/12 11:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			10/01/12 11:24	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			10/01/12 11:24	1
2-Hexanone	10	U	10	0.41	ug/L			10/01/12 11:24	1
Methylene Chloride	0.638	J	1.0	0.33	ug/L			10/01/12 11:24	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			10/01/12 11:24	1
Styrene	1.0	U	1.0	0.11	ug/L			10/01/12 11:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			10/01/12 11:24	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			10/01/12 11:24	1
Toluene	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			10/01/12 11:24	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			10/01/12 11:24	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			10/01/12 11:24	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			10/01/12 11:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			10/01/12 11:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			10/01/12 11:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/01/12 11:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			10/01/12 11:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			10/01/12 11:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*10/01/12 11:24*	*1*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*		*10/01/12 11:24*	*1*
Toluene-d8 (Surr)	*91*		*74 - 115*		*10/01/12 11:24*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 121*		*10/01/12 11:24*	*1*

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

Lab Sample ID: LCS 240-59615/4
Matrix: Water
Analysis Batch: 59615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.3		ug/L		92	43 - 136
Benzene	10.0	10.3		ug/L		103	83 - 112
Bromodichloromethane	10.0	10.2		ug/L		102	72 - 121
Bromoform	10.0	8.64		ug/L		86	40 - 131
Bromomethane	10.0	6.86		ug/L		69	11 - 185
2-Butanone (MEK)	20.0	18.8		ug/L		94	60 - 126
Carbon disulfide	10.0	9.67		ug/L		97	62 - 142
Carbon tetrachloride	10.0	9.91		ug/L		99	66 - 128
Chlorobenzene	10.0	9.96		ug/L		100	85 - 110
Chloroethane	10.0	6.83		ug/L		68	25 - 153
Chloroform	10.0	9.88		ug/L		99	79 - 117
Chloromethane	10.0	9.12		ug/L		91	44 - 126
1,1-Dichloroethane	10.0	10.4		ug/L		104	82 - 115
1,2-Dichloroethane	10.0	9.74		ug/L		97	71 - 127
1,1-Dichloroethene	10.0	10.1		ug/L		101	78 - 131
1,2-Dichloropropane	10.0	10.5		ug/L		105	81 - 115
cis-1,3-Dichloropropene	10.0	10.0		ug/L		100	61 - 115
trans-1,3-Dichloropropene	10.0	9.73		ug/L		97	58 - 117
Ethylbenzene	10.0	9.89		ug/L		99	83 - 112
2-Hexanone	20.0	18.7		ug/L		93	55 - 133
Methylene Chloride	10.0	11.0		ug/L		110	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.0		ug/L		95	63 - 128
Styrene	10.0	10.3		ug/L		103	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.52		ug/L		95	68 - 118
Tetrachloroethene	10.0	8.92		ug/L		89	79 - 114
Toluene	10.0	9.37		ug/L		94	84 - 111
Trichloroethene	10.0	9.61		ug/L		96	76 - 117
Vinyl chloride	10.0	8.28		ug/L		83	53 - 127
1,1,1-Trichloroethane	10.0	9.87		ug/L		99	74 - 118
1,1,2-Trichloroethane	10.0	9.83		ug/L		98	80 - 112
cis-1,2-Dichloroethene	10.0	9.96		ug/L		100	80 - 113
trans-1,2-Dichloroethene	10.0	9.71		ug/L		97	83 - 117
1,2-Dichlorobenzene	10.0	9.57		ug/L		96	81 - 110
1,3-Dichlorobenzene	10.0	9.97		ug/L		100	80 - 110
1,4-Dichlorobenzene	10.0	9.46		ug/L		95	82 - 110
Dibromochloromethane	10.0	9.51		ug/L		95	64 - 119
m-Xylene & p-Xylene	20.0	20.2		ug/L		101	83 - 113
o-Xylene	10.0	10.4		ug/L		104	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 129*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*
Toluene-d8 (Surr)	*92*		*74 - 115*
Dibromofluoromethane (Surr)	*92*		*75 - 121*

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

Lab Sample ID: 240-15580-3 MS
Matrix: Water
Analysis Batch: 59615

Client Sample ID: GW-52222-092512-JV-713
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	U	500	478		ug/L		96	33 - 145
Benzene	600		250	882		ug/L		111	72 - 121
Bromodichloromethane	25	U	250	262		ug/L		105	67 - 120
Bromoform	25	U	250	210		ug/L		84	32 - 128
Bromomethane	25	U	250	124		ug/L		50	10 - 186
2-Butanone (MEK)	250	U	500	455		ug/L		91	54 - 129
Carbon disulfide	25	U	250	241		ug/L		96	57 - 147
Carbon tetrachloride	25	U	250	241		ug/L		96	59 - 129
Chlorobenzene	180		250	420		ug/L		96	80 - 110
Chloroethane	25	U	250	140		ug/L		56	21 - 165
Chloroform	25	U	250	252		ug/L		101	76 - 118
Chloromethane	25	U	250	207		ug/L		83	33 - 132
1,1-Dichloroethane	25	U	250	265		ug/L		106	79 - 116
1,2-Dichloroethane	25	U	250	271		ug/L		108	68 - 129
1,1-Dichloroethene	25	U	250	243		ug/L		97	74 - 135
1,2-Dichloropropane	25	U	250	264		ug/L		106	78 - 115
cis-1,3-Dichloropropene	25	U	250	240		ug/L		96	51 - 110
trans-1,3-Dichloropropene	25	U	250	226		ug/L		90	46 - 116
Ethylbenzene	25	U	250	238		ug/L		95	75 - 116
2-Hexanone	250	U	500	441		ug/L		88	47 - 139
Methylene Chloride	25	U	250	268		ug/L		107	63 - 128
4-Methyl-2-pentanone (MIBK)	250	U	500	477		ug/L		95	56 - 131
Styrene	25	U	250	252		ug/L		101	71 - 117
1,1,2,2-Tetrachloroethane	25	U	250	234		ug/L		93	63 - 122
Tetrachloroethene	25	U	250	212		ug/L		85	70 - 117
Toluene	25	U	250	231		ug/L		92	78 - 114
Trichloroethene	25	U	250	243		ug/L		97	66 - 120
Vinyl chloride	25	U	250	199		ug/L		80	49 - 130
1,1,1-Trichloroethane	25	U	250	250		ug/L		100	68 - 121
1,1,2-Trichloroethane	25	U	250	242		ug/L		97	75 - 115
cis-1,2-Dichloroethene	25	U	250	257		ug/L		103	70 - 120
trans-1,2-Dichloroethene	25	U	250	250		ug/L		100	80 - 119
1,2-Dichlorobenzene	25	U	250	233		ug/L		93	75 - 111
1,3-Dichlorobenzene	25	U	250	236		ug/L		94	73 - 110
1,4-Dichlorobenzene	25	U	250	233		ug/L		93	75 - 110
Dibromochloromethane	25	U	250	225		ug/L		90	56 - 118
m-Xylene & p-Xylene	16		500	511		ug/L		99	75 - 117
o-Xylene	25		250	250		ug/L		100	76 - 116

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*
Toluene-d8 (Surr)	*92*		*74 - 115*
Dibromofluoromethane (Surr)	*95*		*75 - 121*

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

Lab Sample ID: 240-15580-3 MSD
Matrix: Water
Analysis Batch: 59615

Client Sample ID: GW-52222-092512-JV-713
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	U	500	456		ug/L		91	33 - 145	5	30
Benzene	600		250	875		ug/L		108	72 - 121	1	30
Bromodichloromethane	25	U	250	255		ug/L		102	67 - 120	3	30
Bromoform	25	U	250	200		ug/L		80	32 - 128	5	30
Bromomethane	25	U	250	147		ug/L		59	10 - 186	17	30
2-Butanone (MEK)	250	U	500	457		ug/L		91	54 - 129	0	30
Carbon disulfide	25	U	250	237		ug/L		95	57 - 147	2	30
Carbon tetrachloride	25	U	250	237		ug/L		95	59 - 129	2	30
Chlorobenzene	180		250	413		ug/L		93	80 - 110	2	30
Chloroethane	25	U	250	146		ug/L		58	21 - 165	4	30
Chloroform	25	U	250	248		ug/L		99	76 - 118	1	30
Chloromethane	25	U	250	222		ug/L		89	33 - 132	7	30
1,1-Dichloroethane	25	U	250	264		ug/L		106	79 - 116	0	30
1,2-Dichloroethane	25	U	250	265		ug/L		106	68 - 129	2	30
1,1-Dichloroethene	25	U	250	238		ug/L		95	74 - 135	2	30
1,2-Dichloropropane	25	U	250	264		ug/L		106	78 - 115	0	30
cis-1,3-Dichloropropene	25	U	250	240		ug/L		96	51 - 110	0	30
trans-1,3-Dichloropropene	25	U	250	228		ug/L		91	46 - 116	1	30
Ethylbenzene	25	U	250	242		ug/L		97	75 - 116	2	30
2-Hexanone	250	U	500	443		ug/L		89	47 - 139	0	30
Methylene Chloride	25	U	250	255		ug/L		102	63 - 128	5	30
4-Methyl-2-pentanone (MIBK)	250	U	500	471		ug/L		94	56 - 131	1	30
Styrene	25	U	250	250		ug/L		100	71 - 117	1	30
1,1,2,2-Tetrachloroethane	25	U	250	237		ug/L		95	63 - 122	2	30
Tetrachloroethene	25	U	250	214		ug/L		85	70 - 117	1	30
Toluene	25	U	250	229		ug/L		92	78 - 114	1	30
Trichloroethene	25	U	250	247		ug/L		99	66 - 120	2	30
Vinyl chloride	25	U	250	205		ug/L		82	49 - 130	3	30
1,1,1-Trichloroethane	25	U	250	248		ug/L		99	68 - 121	1	30
1,1,2-Trichloroethane	25	U	250	233		ug/L		93	75 - 115	4	30
cis-1,2-Dichloroethene	25	U	250	255		ug/L		102	70 - 120	1	30
trans-1,2-Dichloroethene	25	U	250	248		ug/L		99	80 - 119	0	30
1,2-Dichlorobenzene	25	U	250	236		ug/L		94	75 - 111	1	30
1,3-Dichlorobenzene	25	U	250	245		ug/L		98	73 - 110	4	30
1,4-Dichlorobenzene	25	U	250	233		ug/L		93	75 - 110	0	30
Dibromochloromethane	25	U	250	230		ug/L		92	56 - 118	2	30
m-Xylene & p-Xylene	16		500	512		ug/L		99	75 - 117	0	30
o-Xylene	25		250	252		ug/L		101	76 - 116	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 129*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*
Toluene-d8 (Surr)	*90*		*74 - 115*
Dibromofluoromethane (Surr)	*95*		*75 - 121*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-59257/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 59761 — **Prep Batch: 59257**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1000	U	1000	590	ug/L		09/27/12 09:51	10/01/12 18:24	1

Lab Sample ID: MB 240-59257/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60094 — **Prep Batch: 59257**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		09/27/12 09:51	10/03/12 18:15	1
Barium	0.866	J	100	0.67	ug/L		09/27/12 09:51	10/03/12 18:15	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 18:15	1
Calcium	264	J	5000	130	ug/L		09/27/12 09:51	10/03/12 18:15	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 18:15	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 18:15	1
Iron	100	U	100	81	ug/L		09/27/12 09:51	10/03/12 18:15	1
Potassium	1000	U	1000	72	ug/L		09/27/12 09:51	10/03/12 18:15	1
Magnesium	1000	U	1000	34	ug/L		09/27/12 09:51	10/03/12 18:15	1
Manganese	2.29	J	15	0.41	ug/L		09/27/12 09:51	10/03/12 18:15	1
Sodium	1000	U	1000	590	ug/L		09/27/12 09:51	10/03/12 18:15	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 18:15	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 18:15	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 18:15	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 18:15	1

Lab Sample ID: LCS 240-59257/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 59761 — **Prep Batch: 59257**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	50000	49500		ug/L		99	80 - 120

Lab Sample ID: LCS 240-59257/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60094 — **Prep Batch: 59257**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	1790		ug/L		90	80 - 120
Barium	2000	1790		ug/L		89	80 - 120
Beryllium	50.0	45.9		ug/L		92	80 - 120
Calcium	50000	47700		ug/L		95	80 - 120
Cobalt	500	438		ug/L		88	80 - 120
Chromium	200	178		ug/L		89	80 - 120
Iron	1000	919		ug/L		92	80 - 120
Potassium	50000	46400		ug/L		93	80 - 120
Magnesium	50000	47200		ug/L		94	80 - 120
Manganese	500	461		ug/L		92	80 - 120
Sodium	50000	46600		ug/L		93	80 - 120
Nickel	500	438		ug/L		88	80 - 120
Lead	500	436		ug/L		87	80 - 120
Selenium	2000	1890		ug/L		94	80 - 120
Vanadium	500	458		ug/L		92	80 - 120

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

Lab Sample ID: MB 240-59940/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 59940**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	5000	U	5000	130	ug/L		10/03/12 09:03	10/08/12 18:26	1
Magnesium	130	J	1000	34	ug/L		10/03/12 09:03	10/08/12 18:26	1

Lab Sample ID: LCS 240-59940/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 59940**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	50000	45500		ug/L		91	80 - 120
Magnesium	50000	46200		ug/L		92	80 - 120

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		10/03/12 13:54	10/08/12 15:15	1
Barium	100	U	100	0.67	ug/L		10/03/12 13:54	10/08/12 15:15	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 15:15	1
Calcium	5000	U	5000	130	ug/L		10/03/12 13:54	10/08/12 15:15	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 15:15	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 15:15	1
Iron	100	U	100	81	ug/L		10/03/12 13:54	10/08/12 15:15	1
Potassium	1000	U	1000	72	ug/L		10/03/12 13:54	10/08/12 15:15	1
Magnesium	106	J	1000	34	ug/L		10/03/12 13:54	10/08/12 15:15	1
Manganese	2.23	J	15	0.41	ug/L		10/03/12 13:54	10/08/12 15:15	1
Nickel	20	U	20	3.2	ug/L		10/03/12 13:54	10/08/12 15:15	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 15:15	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 15:15	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 15:15	1

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60643 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1000	U L	1000	590	ug/L		10/03/12 13:54	10/09/12 08:55	1

Lab Sample ID: LCS 240-60024/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	2100		ug/L		105	80 - 120
Barium	2000	2060		ug/L		103	80 - 120
Beryllium	50.0	51.4		ug/L		103	80 - 120
Calcium	50000	49300		ug/L		99	80 - 120
Cobalt	500	517		ug/L		103	80 - 120
Chromium	200	203		ug/L		101	80 - 120
Iron	1000	975		ug/L		98	80 - 120

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

Lab Sample ID: LCS 240-60024/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	50000	52900		ug/L		106	80 - 120
Magnesium	50000	50500		ug/L		101	80 - 120
Manganese	500	521		ug/L		104	80 - 120
Nickel	500	519		ug/L		104	80 - 120
Lead	500	496		ug/L		99	80 - 120
Selenium	2000	2060		ug/L		103	80 - 120
Vanadium	500	508		ug/L		102	80 - 120

Lab Sample ID: LCS 240-60024/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60643 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	50000	49800		ug/L		100	80 - 120

Lab Sample ID: MB 240-60351/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		10/05/12 12:53	10/09/12 12:00	1
Barium	0.692	J	100	0.67	ug/L		10/05/12 12:53	10/09/12 12:00	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/05/12 12:53	10/09/12 12:00	1
Calcium	293	J	5000	130	ug/L		10/05/12 12:53	10/09/12 12:00	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/05/12 12:53	10/09/12 12:00	1
Chromium	5.0	U	5.0	2.2	ug/L		10/05/12 12:53	10/09/12 12:00	1
Iron	100	U	100	81	ug/L		10/05/12 12:53	10/09/12 12:00	1
Potassium	159	J	1000	72	ug/L		10/05/12 12:53	10/09/12 12:00	1
Magnesium	1000	U	1000	34	ug/L		10/05/12 12:53	10/09/12 12:00	1
Manganese	15	U	15	0.41	ug/L		10/05/12 12:53	10/09/12 12:00	1
Sodium	1000	U	1000	590	ug/L		10/05/12 12:53	10/09/12 12:00	1
Nickel	20	U	20	3.2	ug/L		10/05/12 12:53	10/09/12 12:00	1
Lead	3.0	U	3.0	1.9	ug/L		10/05/12 12:53	10/09/12 12:00	1
Selenium	5.0	U	5.0	4.1	ug/L		10/05/12 12:53	10/09/12 12:00	1
Vanadium	0.880	J	4.0	0.64	ug/L		10/05/12 12:53	10/09/12 12:00	1

Lab Sample ID: LCS 240-60351/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	1760		ug/L		88	80 - 120
Barium	2000	1840		ug/L		92	80 - 120
Beryllium	50.0	46.6		ug/L		93	80 - 120
Calcium	50000	46600		ug/L		93	80 - 120
Cobalt	500	447		ug/L		89	80 - 120
Chromium	200	184		ug/L		92	80 - 120
Iron	1000	820		ug/L		82	80 - 120
Potassium	50000	46300		ug/L		93	80 - 120
Magnesium	50000	46400		ug/L		93	80 - 120

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

Lab Sample ID: LCS 240-60351/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	500	474		ug/L		95	80 - 120
Sodium	50000	47000		ug/L		94	80 - 120
Nickel	500	460		ug/L		92	80 - 120
Lead	500	438		ug/L		88	80 - 120
Selenium	2000	1780		ug/L		89	80 - 120
Vanadium	500	445		ug/L		89	80 - 120

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	94		2000	2040		ug/L		98	75 - 125
Barium	84	J B	2000	2160		ug/L		104	75 - 125
Beryllium	1.0	U	50.0	51.7		ug/L		103	75 - 125
Calcium	83000	B	50000	135000		ug/L		103	75 - 125
Cobalt	2.1	J	500	492		ug/L		98	75 - 125
Chromium	5.0	U	200	201		ug/L		100	75 - 125
Iron	11000		1000	11800	4	ug/L		100	75 - 125
Potassium	17000	B	50000	71800		ug/L		110	75 - 125
Magnesium	33000		50000	85500		ug/L		105	75 - 125
Manganese	140		500	687		ug/L		110	75 - 125
Sodium	39000		50000	92700		ug/L		108	75 - 125
Nickel	4.6	J	500	507		ug/L		101	75 - 125
Lead	3.0	U	500	490		ug/L		98	75 - 125
Selenium	5.9		2000	1970		ug/L		98	75 - 125
Vanadium	1.0	J B	500	496		ug/L		99	75 - 125

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	94		2000	1940		ug/L		92	75 - 125	5	20
Barium	84	J B	2000	2050		ug/L		98	75 - 125	5	20
Beryllium	1.0	U	50.0	49.1		ug/L		98	75 - 125	5	20
Calcium	83000	B	50000	129000		ug/L		92	75 - 125	4	20
Cobalt	2.1	J	500	468		ug/L		93	75 - 125	5	20
Chromium	5.0	U	200	190		ug/L		95	75 - 125	6	20
Iron	11000		1000	11400	4	ug/L		63	75 - 125	3	20
Potassium	17000	B	50000	67500		ug/L		101	75 - 125	6	20
Magnesium	33000		50000	81000		ug/L		95	75 - 125	5	20
Manganese	140		500	636		ug/L		100	75 - 125	8	20
Sodium	39000		50000	87200		ug/L		97	75 - 125	6	20
Nickel	4.6	J	500	482		ug/L		95	75 - 125	5	20
Lead	3.0	U	500	462		ug/L		92	75 - 125	6	20
Selenium	5.9		2000	1880		ug/L		94	75 - 125	5	20
Vanadium	1.0	J B	500	470		ug/L		94	75 - 125	5	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-59257/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 59547 — **Prep Batch: 59257**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 14:58	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 14:58	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 14:58	1
Copper	0.764	J	25	0.29	ug/L		09/27/12 09:51	09/28/12 14:58	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 14:58	1
Zinc	6.51	J	10	2.3	ug/L		09/27/12 09:51	09/28/12 14:58	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 14:58	1

Lab Sample ID: LCS 240-59257/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 59547 — **Prep Batch: 59257**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10400		ug/L		104	80 - 120
Antimony	100	98.8		ug/L		99	80 - 120
Cadmium	1000	1000		ug/L		100	80 - 120
Copper	1000	1040		ug/L		104	80 - 120
Thallium	250	249		ug/L		100	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120
Silver	100	105		ug/L		105	80 - 120

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60265 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 19:46	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 19:46	1
Thallium	2.0	U	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 19:46	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 19:46	1

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60419 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	25	U	25	0.29	ug/L		10/03/12 13:54	10/06/12 06:09	1
Zinc	10	U	10	2.3	ug/L		10/03/12 13:54	10/06/12 06:09	1

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/08/12 12:43	1

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

Lab Sample ID: LCS 240-60024/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60265 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	100	98.0		ug/L		98	80 - 120
Cadmium	1000	1020		ug/L		102	80 - 120
Thallium	250	248		ug/L		99	80 - 120
Silver	100	104		ug/L		104	80 - 120

Lab Sample ID: LCS 240-60024/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60419 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	1000	1030		ug/L		103	80 - 120
Zinc	1000	1060		ug/L		106	80 - 120

Lab Sample ID: LCS 240-60024/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10100		ug/L		101	80 - 120

Lab Sample ID: MB 240-60351/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60351**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/05/12 12:53	10/08/12 19:31	1
Antimony	5.0	U	5.0	0.13	ug/L		10/05/12 12:53	10/08/12 19:31	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/05/12 12:53	10/08/12 19:31	1
Copper	0.510	J	25	0.29	ug/L		10/05/12 12:53	10/08/12 19:31	1
Thallium	2.0	U	2.0	0.14	ug/L		10/05/12 12:53	10/08/12 19:31	1
Zinc	6.53	J	10	2.3	ug/L		10/05/12 12:53	10/08/12 19:31	1
Silver	0.50	U	0.50	0.080	ug/L		10/05/12 12:53	10/08/12 19:31	1

Lab Sample ID: LCS 240-60351/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60351**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9660		ug/L		97	80 - 120
Antimony	100	93.2		ug/L		93	80 - 120
Cadmium	1000	967		ug/L		97	80 - 120
Copper	1000	954		ug/L		95	80 - 120
Thallium	250	218		ug/L		87	80 - 120
Zinc	1000	994		ug/L		99	80 - 120
Silver	100	98.3		ug/L		98	80 - 120

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

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60351**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	50	U	10000	10300		ug/L		103	63 - 128
Antimony	0.20	J	100	101		ug/L		101	44 - 153
Cadmium	0.50	U	1000	1020		ug/L		102	78 - 117
Copper	25	U	1000	982		ug/L		98	60 - 123
Thallium	0.49	J	250	248		ug/L		99	69 - 117
Zinc	5.1	J B	1000	1010		ug/L		100	49 - 156
Silver	0.50	U	100	103		ug/L		103	10 - 139

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60351**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	50	U	10000	10200		ug/L		102	63 - 128	1	20
Antimony	0.20	J	100	100		ug/L		100	44 - 153	1	20
Cadmium	0.50	U	1000	1010		ug/L		101	78 - 117	1	20
Copper	25	U	1000	978		ug/L		98	60 - 123	0	20
Thallium	0.49	J	250	247		ug/L		98	69 - 117	0	20
Zinc	5.1	J B	1000	1010		ug/L		100	49 - 156	0	20
Silver	0.50	U	100	102		ug/L		102	10 - 139	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-59148/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59148**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 13:49	1

Lab Sample ID: LCS 240-59148/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59148**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.29		ug/L		86	81 - 123

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59148**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	0.641	F	ug/L		64	69 - 134

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59148**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	0.688		ug/L		69	69 - 134	7	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 240-59160/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59160**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 17:28	1

Lab Sample ID: LCS 240-59160/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59160**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.52		ug/L		90	81 - 123

Method: 160.2 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-59466/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			09/28/12 11:39	1

Lab Sample ID: LCS 240-59466/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	77.6	76.0		mg/L		98	73 - 113

Lab Sample ID: 240-15668-1 DU — **Client Sample ID: SW-52222-092612-JV-718**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59466

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	4.0	U	4.0	U	mg/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-59159/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			09/26/12 14:56	1
Sulfate	1.0	U	1.0	0.12	mg/L			09/26/12 14:56	1

Lab Sample ID: LCS 240-59159/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	51.4		mg/L		103	90 - 110
Sulfate	50.0	48.9		mg/L		98	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	120		50.0	182		mg/L		114	80 - 120
Sulfate	1.0	U	50.0	50.8		mg/L		102	80 - 120

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	120		50.0	182		mg/L		115	80 - 120	0	20
Sulfate	1.0	U	50.0	50.6		mg/L		101	80 - 120	0	20

Lab Sample ID: MB 240-59302/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			09/28/12 04:30	1
Sulfate	1.0	U	1.0	0.12	mg/L			09/28/12 04:30	1

Lab Sample ID: LCS 240-59302/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.2		mg/L		100	90 - 110
Sulfate	50.0	51.0		mg/L		102	90 - 110

Lab Sample ID: 240-15580-2 MS — **Client Sample ID: GW-52222-092512-JV-712**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	230		50.0	389	4	mg/L		326	80 - 120

Lab Sample ID: MB 240-59472/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			09/28/12 13:44	1
Sulfate	1.0	U	1.0	0.12	mg/L			09/28/12 13:44	1

Lab Sample ID: LCS 240-59472/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.8		mg/L		100	90 - 110
Sulfate	50.0	47.1		mg/L		94	90 - 110

Method: 350.3 - Nitrogen, Ammonia

Lab Sample ID: MB 240-59888/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.20	U	0.20	0.035	mg/L			10/02/12 13:43	1

Lab Sample ID: LCS 240-59888/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	8.93	8.59		mg/L		96	85 - 114

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59888

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	29		50.0	78.9		mg/L		99	75 - 125

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59888

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia (as N)	29		50.0	81.0		mg/L		104	75 - 125	3	20

Lab Sample ID: MB 240-60228/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60228

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.20	U	0.20	0.035	mg/L			10/04/12 09:50	1

Lab Sample ID: LCS 240-60228/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	8.93	9.27		mg/L		104	85 - 114

Lab Sample ID: 240-15580-5 MS — **Client Sample ID: GW-52222-092512-JV-715**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60228

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	0.076	J	2.50	2.93		mg/L		114	75 - 125

Lab Sample ID: 240-15580-5 MSD — **Client Sample ID: GW-52222-092512-JV-715**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60228

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia (as N)	0.076	J	2.50	2.89		mg/L		113	75 - 125	1	20

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 240-59644/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59690 — **Prep Batch: 59644**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:25	1

Lab Sample ID: LCS 240-59644/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59690 — **Prep Batch: 59644**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.309	0.311		mg/L		101	54 - 137

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59690 — **Prep Batch: 59644**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.040	U	0.100	0.114		mg/L		114	10 - 155

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59690 — **Prep Batch: 59644**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenols, Total	0.040	U	0.100	0.108		mg/L		108	10 - 155	6	20

Lab Sample ID: MB 240-60465/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60468 — **Prep Batch: 60465**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:37	1

Lab Sample ID: LCS 240-60465/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60468 — **Prep Batch: 60465**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.309	0.310		mg/L		100	54 - 137

Lab Sample ID: 240-15580-1 MS — **Client Sample ID: GW-52222-092512-JV-711**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60468 — **Prep Batch: 60465**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.040	U	0.100	0.0909		mg/L		91	10 - 155

Lab Sample ID: 240-15580-1 MSD — **Client Sample ID: GW-52222-092512-JV-711**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60468 — **Prep Batch: 60465**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenols, Total	0.040	U	0.100	0.104		mg/L		104	10 - 155	14	20

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-59796/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59880 — **Prep Batch: 59796**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1

Lab Sample ID: LCS 240-59796/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59880 — **Prep Batch: 59796**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0498	0.0436		mg/L		88	69 - 118

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59880 — **Prep Batch: 59796**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.010	U	0.0400	0.0380		mg/L		95	42 - 140

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59880 — **Prep Batch: 59796**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.0400	0.0368		mg/L		92	42 - 140	3	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 240-59623/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	2.7	mg/L			09/29/12 10:22	1

Lab Sample ID: LCS 240-59623/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	51.6	54.3		mg/L		105	90 - 127

Lab Sample ID: 240-15550-1 MS — **Client Sample ID: GW-52222-092412-JV-705**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	330		500	750		mg/L		84	10 - 160

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 240-15550-1 MSD — **Client Sample ID: GW-52222-092412-JV-705**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	330		500	809		mg/L		96	10 - 160	8	24

Lab Sample ID: 240-15580-2 DU — **Client Sample ID: GW-52222-092512-JV-712**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	440			454		mg/L				3	20

Lab Sample ID: MB 240-59938/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	2.7	mg/L			10/02/12 12:07	1

Lab Sample ID: LCS 240-59938/7 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59938

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			51.6	52.7		mg/L		102	90 - 127		

Lab Sample ID: 240-15580-6 DU — **Client Sample ID: GW-52222-092512-JV-716**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59938

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	420			436		mg/L				3	20

Lab Sample ID: MB 240-60238/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	2.7	mg/L			10/04/12 08:56	1

Lab Sample ID: LCS 240-60238/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			51.6	51.9		mg/L		101	90 - 127		

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity	410		500	896		mg/L		96	10 - 160		

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	410		500	865		mg/L		90	10 - 160	4	24

Lab Sample ID: 240-15550-5 DU — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	410			428		mg/L				3	20

Method: SM 2340C - Hardness, Total

Lab Sample ID: MB 240-60300/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	5.0	U	5.0	3.1	mg/L			10/05/12 10:20	1

Lab Sample ID: LCS 240-60300/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60300

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Hardness as calcium carbonate			245	248		mg/L		101	88 - 110		

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 240-60097/10-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60189 — **Prep Batch: 60097**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:12	10/04/12 12:59	1

Lab Sample ID: LCS 240-60097/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60189 — **Prep Batch: 60097**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Phosphorus as PO4			4.48	4.40		mg/L		98	53 - 134		

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60189 — **Prep Batch: 60097**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Phosphorus as PO4	0.59		0.500	0.919		mg/L		65	10 - 199		

Method: SM 4500 P E - Phosphorus (Continued)

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60189 — **Prep Batch: 60097**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Phosphorus as PO4	0.59		0.500	0.923		mg/L		66	10 - 199	0	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 240-59055/2 SCB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59055

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			09/26/12 07:00	1
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			09/26/12 07:00	1

Lab Sample ID: USB 240-59055/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59055

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 06:57	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 06:57	1

Lab Sample ID: LCS 240-59055/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	211		mg/L		107	85 - 115
Biochemical Oxygen Demand	198	211		mg/L		107	85 - 115

Lab Sample ID: 240-15550-5 DU — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59055

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	10		8.38		mg/L		19	20
Biochemical Oxygen Demand	10		8.38		mg/L		19	20

Lab Sample ID: SCB 240-59180/2 SCB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59180

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			09/26/12 13:21	1

Lab Sample ID: USB 240-59180/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59180

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 13:18	1

Method: SM 5210B - BOD, 5-Day (Continued)

Lab Sample ID: LCS 240-59180/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	208		mg/L		105	85 - 115

Lab Sample ID: SCB 240-59997/2 SCB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59997

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			10/03/12 07:25	1

Lab Sample ID: USB 240-59997/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59997

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			10/03/12 07:22	1

Lab Sample ID: LCS 240-59997/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59997

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	192		mg/L		97	85 - 115

Method: SM 5220D - COD

Lab Sample ID: MB 240-59776/9-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59843 — **Prep Batch: 59776**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:14	10/02/12 12:23	1

Lab Sample ID: LCS 240-59776/10-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59843 — **Prep Batch: 59776**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	122	119		mg/L		98	90 - 110

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59843 — **Prep Batch: 59776**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	39		111	155		mg/L		105	90 - 110

Method: SM 5220D - COD (Continued)

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60543 — **Prep Batch: 60517**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	39		111	153		mg/L		102	90 - 110	2	20

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-129)	(66-117)	(74-115)	(75-121)
240-15550-1	GW-52222-092412-JV-705	92	91	99	93
240-15550-2	GW-52222-092412-JV-706	90	85	92	90
240-15550-3	GW-52222-092412-JV-707	98	95	105	101
240-15550-4	GW-52222-092412-JV-708	93	96	102	95
240-15550-5	GW-52222-092412-JV-709	85	89	95	89
240-15550-5 MS	GW-52222-092412-JV-709	83	99	98	88
240-15550-5 MSD	GW-52222-092412-JV-709	91	111	111	95
240-15550-6	TB-52222-092412-JV-710	94	95	103	97
240-15580-1	GW-52222-092512-JV-711	90	93	90	91
240-15580-2	GW-52222-092512-JV-712	90	90	93	93
240-15580-3	GW-52222-092512-JV-713	90	96	93	94
240-15580-3 MS	GW-52222-092512-JV-713	96	95	92	95
240-15580-3 MSD	GW-52222-092512-JV-713	94	92	90	95
240-15580-4	GW-52222-092512-JV-714	91	92	90	92
240-15580-5	GW-52222-092512-JV-715	89	90	90	93
240-15580-6	GW-52222-092512-JV-716	90	93	91	92
240-15580-7	TB-52222-092512-JV-717	89	88	90	90
LCS 240-59311/4	Lab Control Sample	84	104	99	88
LCS 240-59432/4	Lab Control Sample	95	95	94	92
LCS 240-59615/4	Lab Control Sample	93	95	92	92
MB 240-59311/5	Method Blank	85	92	96	86
MB 240-59432/5	Method Blank	88	86	89	92
MB 240-59615/5	Method Blank	88	92	91	91

Surrogate Legend

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

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092412-JV-705

Lab Sample ID: 240-15550-1

Date Collected: 09/24/12 10:45

Matrix: Water

Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 18:51	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 14:26	SG	TAL NC
Total Recoverable	Prep	3005A			59257	09/27/12 09:51	LM	TAL NC
Total Recoverable	Analysis	6020		1	59547	09/28/12 17:36	KC	TAL NC
Total Recoverable	Analysis	6010B		1	59761	10/01/12 18:32	SG	TAL NC
Total Recoverable	Analysis	6010B		1	60094	10/03/12 19:51	SG	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 08:53	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 15:46	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 14:35	BW	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	59690	10/01/12 14:39	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:31	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:32	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		1	59888	10/02/12 15:21	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:19	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-706

Lab Sample ID: 240-15550-2

Date Collected: 09/24/12 11:30

Matrix: Water

Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 19:14	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 14:28	SG	TAL NC
Total Recoverable	Prep	3005A			59257	09/27/12 09:51	LM	TAL NC
Total Recoverable	Analysis	6020		1	59547	09/28/12 17:42	KC	TAL NC
Total Recoverable	Analysis	6010B		1	59761	10/01/12 18:36	SG	TAL NC
Total Recoverable	Analysis	6010B		1	60094	10/03/12 20:03	SG	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 09:01	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 16:02	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 15:27	BW	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	59690	10/01/12 14:40	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:36	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:35	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		1	59888	10/02/12 15:26	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:20	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-706 — Lab Sample ID: 240-15550-2

Date Collected: 09/24/12 11:30 — **Matrix: Water**
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-707 — Lab Sample ID: 240-15550-3

Date Collected: 09/24/12 12:40 — **Matrix: Water**
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 19:36	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 14:29	SG	TAL NC
Total Recoverable	Prep	3005A			59257	09/27/12 09:51	LM	TAL NC
Total Recoverable	Analysis	6020		1	59547	09/28/12 17:47	KC	TAL NC
Total Recoverable	Analysis	6010B		1	59761	10/01/12 18:40	SG	TAL NC
Total Recoverable	Analysis	6010B		1	60094	10/03/12 20:06	SG	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 09:09	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 16:18	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 15:37	BW	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	59690	10/01/12 14:41	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:38	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:36	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		1	59888	10/02/12 15:30	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:21	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-708 — Lab Sample ID: 240-15550-4

Date Collected: 09/24/12 14:00 — **Matrix: Water**
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 19:59	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 14:31	SG	TAL NC
Total Recoverable	Prep	3005A			59257	09/27/12 09:51	LM	TAL NC
Total Recoverable	Analysis	6020		1	59547	09/28/12 18:06	KC	TAL NC
Total Recoverable	Analysis	6010B		1	59761	10/01/12 18:44	SG	TAL NC
Total Recoverable	Analysis	6010B		1	60094	10/03/12 20:10	SG	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 09:19	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 16:35	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 15:50	BW	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092412-JV-708

Lab Sample ID: 240-15550-4

Date Collected: 09/24/12 14:00
Matrix: Water
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	420.1		1	59690	10/01/12 14:41	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:40	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:37	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		10	59888	10/02/12 15:51	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:23	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-709

Lab Sample ID: 240-15550-5

Date Collected: 09/24/12 15:15
Matrix: Water
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 20:21	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 13:56	SG	TAL NC
Total Recoverable	Prep	3005A			60351	10/05/12 12:53	LM	TAL NC
Total Recoverable	Analysis	6020		1	60580	10/08/12 19:44	NJM	TAL NC
Total Recoverable	Analysis	6010B		1	60742	10/09/12 12:11	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 09:27	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 16:51	LG	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	59690	10/01/12 14:42	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:42	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:38	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		10	59888	10/02/12 14:23	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:14	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC
Total/NA	Analysis	SM 2320B		1	60238	10/04/12 11:02	OC	TAL NC

Client Sample ID: TB-52222-092412-JV-710

Lab Sample ID: 240-15550-6

Date Collected: 09/24/12 00:00
Matrix: Water
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 21:28	LW	TAL NC

Client Sample ID: GW-52222-092512-JV-711

Lab Sample ID: 240-15580-1

Date Collected: 09/25/12 09:05

Matrix: Water

Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	59615	10/01/12 13:17	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 17:58	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 21:44	NJM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:12	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:30	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59180	09/26/12 13:29	TH	TAL NC
Total/NA	Analysis	300.0		5	59302	09/28/12 05:30	LG	TAL NC
Total/NA	Analysis	300.0		1	59472	09/28/12 15:29	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 16:15	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:46	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:40	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:32	CN	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:24	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC
Total/NA	Analysis	350.3		1	60228	10/04/12 10:51	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:40	JK	TAL NC

Client Sample ID: GW-52222-092512-JV-712

Lab Sample ID: 240-15580-2

Date Collected: 09/25/12 10:50

Matrix: Water

Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	59615	10/01/12 13:40	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 17:59	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 21:49	NJM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:18	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:35	BD	TAL NC
Total/NA	Analysis	300.0		5	59302	09/28/12 05:50	LG	TAL NC
Total/NA	Analysis	300.0		1	59472	09/28/12 15:47	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 16:32	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:47	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:41	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:36	CN	TAL NC
Total/NA	Analysis	SM 5210B	RA	1	59997	10/03/12 08:44	TH	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:25	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092512-JV-712 — Lab Sample ID: 240-15580-2

Date Collected: 09/25/12 10:50 — **Matrix: Water**
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.3		1	60228	10/04/12 11:02	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:44	JK	TAL NC

Client Sample ID: GW-52222-092512-JV-713 — Lab Sample ID: 240-15580-3

Date Collected: 09/25/12 10:10 — **Matrix: Water**
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		25	59615	10/01/12 14:03	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 18:01	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 21:55	NJM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:24	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:41	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59180	09/26/12 14:00	TH	TAL NC
Total/NA	Analysis	300.0		10	59302	09/28/12 06:31	LG	TAL NC
Total/NA	Analysis	300.0		1	59472	09/28/12 16:04	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 17:07	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:49	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:42	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:36	CN	TAL NC
Total/NA	Analysis	SM 5210B	RA	1	59997	10/03/12 08:49	TH	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:27	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC
Total/NA	Analysis	350.3		20	60228	10/04/12 11:17	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:45	JK	TAL NC

Client Sample ID: GW-52222-092512-JV-714 — Lab Sample ID: 240-15580-4

Date Collected: 09/25/12 14:25 — **Matrix: Water**
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59432	09/28/12 18:34	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 18:02	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 22:00	NJM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:31	BD	TAL NC
Total Recoverable	Analysis	6010B		5	60643	10/09/12 09:47	BD	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092512-JV-714

Lab Sample ID: 240-15580-4

Date Collected: 09/25/12 14:25
Matrix: Water
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	59180	09/26/12 14:14	TH	TAL NC
Total/NA	Analysis	300.0		20	59302	09/28/12 06:51	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 17:25	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:51	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:43	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:36	CN	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:28	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC
Total/NA	Analysis	350.3		1	60228	10/04/12 11:17	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:46	JK	TAL NC

Client Sample ID: GW-52222-092512-JV-715

Lab Sample ID: 240-15580-5

Date Collected: 09/25/12 15:30
Matrix: Water
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59432	09/28/12 18:57	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 18:03	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 22:06	NJM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:37	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:52	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 11:58	TH	TAL NC
Total/NA	Analysis	300.0		5	59302	09/28/12 07:11	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 17:38	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:53	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:44	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:36	CN	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:29	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC
Total/NA	Analysis	350.3		1	60228	10/04/12 11:17	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:47	JK	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092512-JV-716 — Lab Sample ID: 240-15580-6

Date Collected: 09/25/12 15:40 — **Matrix: Water**
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59432	09/28/12 19:20	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 18:05	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 22:11	NJM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:43	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:58	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 12:05	TH	TAL NC
Total/NA	Analysis	300.0		5	59302	09/28/12 07:31	LG	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:58	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:47	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:37	CN	TAL NC
Total/NA	Analysis	SM 2320B		1	59938	10/02/12 12:52	MAF	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:31	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC
Total/NA	Analysis	350.3		1	60228	10/04/12 12:53	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:50	JK	TAL NC

Client Sample ID: TB-52222-092512-JV-717 — Lab Sample ID: 240-15580-7

Date Collected: 09/25/12 00:00 — **Matrix: Water**
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59432	09/28/12 19:42	LE	TAL NC

Client Sample ID: SW-52222-092612-JV-718 — Lab Sample ID: 240-15668-1

Date Collected: 09/26/12 08:20 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 19:52	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:00	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-719 — Lab Sample ID: 240-15668-2

Date Collected: 09/26/12 08:24 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: SW-52222-092612-JV-719 — Lab Sample ID: 240-15668-2

Date Collected: 09/26/12 08:24 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6010B		1	60579	10/08/12 19:58	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:10	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-720 — Lab Sample ID: 240-15668-3

Date Collected: 09/26/12 08:42 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 20:04	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:20	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-721 — Lab Sample ID: 240-15668-4

Date Collected: 09/26/12 09:10 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 20:11	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:30	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-722 — Lab Sample ID: 240-15668-5

Date Collected: 09/26/12 09:26 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 20:17	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:40	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-723 — Lab Sample ID: 240-15668-6

Date Collected: 09/26/12 10:00 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 20:23	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:50	MAF	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Laboratory References:

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

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-13
Texas	NELAC	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-13
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-13

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. PL-09861
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 52222
Project Name: Cork st Landfill
Project Location: Kalamazoo, MI
Chemistry Contact: Paul Wiseman
Sampler(s): Jon V, Earl B

Laboratory Name: Test America
Lab Contact: Denise Heckler
Lab Location: North Canton, OH
Lab Quote No:

SSOW ID:
Cooler No:
Carrier: FedEx
Airbill No:
Date Shipped: 9-24-12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs	Phenols	Cyanide	BOD	Alkalinity	Chloride	Sulfate	Metals	COD, Ammonia	Total Phosphorus	MS/MSD Request	Comments/ Special Instructions:
1	GW-52222-092412-JV-705	9-24-12	1045	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
2	-706		1130	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
3	-707		1240	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
	-708		1400	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
	-709		1515	WG	G	X	X	X	X	X				21	X	X	X	X	X	X	X	X	X	X	X	
	TB-52222-092412-JV-710		—	WQ	G		X							1	X											
9																										
10																										
11																										
12																										
13																										
14																										
15																										

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 58
All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Jon Valentine	CRA	9-24-12	1700	1. [illegible]	TA	9-25-12	815
				2.			
				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 15550

Client CRA Site Name Cork st. By: [illegible]

Cooler Received on 9-25-12 Opened on 9-25-12 (Signature)

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 4G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	☐ Multiple on Back
IR GUN# 5G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 8	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
705	12.2 12 12 712	9-25.12	VS
6	12 12 12 712		
7	12 12 12 712		
8	12 12 12 712		
9	12 12 12 12 12 12 712 712		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
No #	0.6	0.6	8	Ice
No #	1.1	1.1		
No #	0.8	0.8		

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. PL- 09098
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 52222
Project Name: Cork st Land Fill
Project Location: Kalamazoo, MI
Chemistry Contact: Paul Wiseman
Sampler(s): Jon V, Earl B

Laboratory Name: Test America
Lab Contact: Denise Heckler

Lab Location: North Canton OH
Lab Quote No:

SSOW ID:
Cooler No:
Carrier: Fedex
Airbill No:
Date Shipped: 9-25-12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOC's	Phenols	Cyanide	BOD	Alkalinity	Chloride	Sulfate	Metals	COD, Ammonia	Total Phosphorus	MS/MSD Request	Comments/ Special Instructions:
1	GW-52222-092512-JV-711	9-25-12	0905	WG		X	X	X	X	X			~~9~~	9	X	X	X	X	X	X	X	X	X	X		
2	-712		1050			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
3	-713		1010			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
4	-714		1425			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
5	-715		1530			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
6	-716		1540			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
7	TB-52222-092512-JV-717		—	WQ			X							1	X											
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										

Analysis Requested (See Back of COC for Definitions)

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 55
All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Jon Valentine	CRA	9-25-12	1730	1. [signature]	TA	9-26-12	800
				2.			
				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 15580

Client CRA Site Name Cork St. By: [signature]

Cooler Received on 9-26-12 Opened on 9-26-12 (Signature)

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C
IR GUN# 4G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C
IR GUN# 5G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C
IR GUN# 8	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C

☑ Multiple on Back

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
711	<2 <2 <2 >12	9-26-12	NS
712	<2 <2 <2 >12		
713	<2 <2 <2 >12		
714	<2 <2 <2 >12		
715	<2 <2 <2 >12		
716	<2 <2 <2 >12		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
260-019	1.8	1.8	8	ice
Not	2.2	2.2		
241-2552	1.3	1.3		

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. PL- 09138
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 52222
Laboratory Name: Test America
Lab Location: N. Canton, OH
SSOW ID:
Project Name: Cook St Land Fill
Lab Contact: Denise Heckler
Lab Quote No:
Cooler No:
Project Location: Kalamazoo
Carrier: FedEx
Chemistry Contact: Paul Wiseman
Airbill No:
Sampler(s): Jon Valentine
Date Shipped: 9-26-12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	TSS	Hardness								MS/MSD Request	Comments/ Special Instructions:
1	SW-52222-092612-JV-718	9-26-12	0820	WS	G	X		X						2	X	X									
2	-719		0824			X		X						2	X	X									
3	-720		0842			X		X						2	X	X									
	-721		0910			X		X						2	X	X									
	-722		0926			X		X						2	X	X									
	-723		1000			X		X						2	X	X									
9																									
10																									
11																									Sample Event Complete
12																									
13																									
14																									
15																									

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 12
All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Jon Valentine	CRA	9-26-12	1630	1. [illegible]	TAL	9/26/12	800
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110604)

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 156668

Client CRA Site Name _____ By: Ch Z

Cooler Received on 9/27/12 Opened on 9/27/12 (Signature)

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

TestAmerica Cooler # 260-138 Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 4G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	☐ Multiple on Back
IR GUN# 5G	(CF –1°C)	Observed Sample Temp. 2.6 °C	Corrected Sample Temp. 1.6 °C	
IR GUN# 8	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
718	<2	9/27/12	CSL
719	<2		
720	<2		
721	<2		
722	<2		
723	<2		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-15550-1

Login Number: 15550

List Source: TestAmerica Canton

List Number: 1

Creator: Maddux, Ann

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-15550-1

Login Number: 15580

List Number: 1

Creator: Sutek, Nick

List Source: TestAmerica Canton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-15550-1

Login Number: 15668

List Number: 1

Creator: Maddux, Ann

List Source: TestAmerica Canton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 240-15550-1
Client Project/Site: 52222, Cork Street
Revision: 1

For:
Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman

Denise D Heckler

Authorized for release by:
11/5/2012 10:04:46 AM

Denise Heckler
Project Manager II
denise.heckler@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 240-15550-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 52222, Cork Street

Report Number: 240-15550-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

A revised report was issued on November 5, 2012. Thallium had a B flag in error.

RECEIPT

The samples were received on 09/25/2012, 09/26/2012 and 09/27/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.6, 0.8, 1.1, 1.3, 1.6, 1.8 and 2.2 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/27/2012, 09/28/2012 and 10/01/2012.

Methylene Chloride was detected in method blank MB 240-59615/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Samples GW-52222-092512-JV-711 (240-15580-1)[2X], GW-52222-092512-JV-712 (240-15580-2)[2X] and GW-52222-092512-JV-713 (240-15580-3)[25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

Job ID: 240-15550-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

TOTAL RECOVERABLE METALS (ICP)

Samples were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 09/27/2012, 10/03/2012 and 10/05/2012 and analyzed on 10/01/2012, 10/03/2012, 10/08/2012 and 10/09/2012.

Barium, Calcium and Manganese were detected in method blank MB 240-59257/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Magnesium was detected in method blank MB 240-59940/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Magnesium was detected in method blank MB 240-60024/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Manganese was detected in method blank MB 240-60024/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Several analytes were detected in method blank MB 240-60351/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Iron failed the recovery criteria low for the MSD of sample GW-52222-092412-JV-709MSD (240-15550-5) in batch 240-60742.

Sample GW-52222-092512-JV-714 (240-15580-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 09/27/2012, 10/03/2012 and 10/05/2012 and analyzed on 09/28/2012, 10/04/2012 and 10/08/2012.

Copper and Zinc were detected in method blank MB 240-59257/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Copper and Zinc were detected in method blank MB 240-60351/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 09/26/2012 and analyzed on 09/27/2012.

Mercury failed the recovery criteria low for the MS of sample GW-52222-092412-JV-709MS (240-15550-5) in batch 240-59366.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS

Samples were analyzed for total suspended solids in accordance with EPA Method 160.2. The samples were analyzed on 09/28/2012.

No difficulties were encountered during the TSS analyses.

Job ID: 240-15550-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 09/29/2012, 10/02/2012 and 10/04/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS

Samples SW-52222-092612-JV-718 (240-15668-1), SW-52222-092612-JV-719 (240-15668-2), SW-52222-092612-JV-720 (240-15668-3), SW-52222-092612-JV-721 (240-15668-4), SW-52222-092612-JV-722 (240-15668-5) and SW-52222-092612-JV-723 (240-15668-6) were analyzed for hardness in accordance with SM 2340C. The samples were analyzed on 10/05/2012.

No difficulties were encountered during the hardness analyses.

All other quality control parameters were within the acceptance limits.

ANIONS

Samples were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 09/26/2012 and 09/28/2012.

Chloride failed the recovery criteria high for the MS of sample GW-52222-092512-JV-712MS (240-15580-2) in batch 240-59302.

Samples GW-52222-092512-JV-711 (240-15580-1)[5X], GW-52222-092512-JV-712 (240-15580-2)[5X], GW-52222-092512-JV-713 (240-15580-3)[10X], GW-52222-092512-JV-714 (240-15580-4)[20X], GW-52222-092512-JV-715 (240-15580-5)[5X] and GW-52222-092512-JV-716 (240-15580-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA

Samples were analyzed for ammonia in accordance with EPA Method 350.3. The samples were analyzed on 10/02/2012 and 10/04/2012.

Samples GW-52222-092512-JV-713 (240-15580-3)[20X], GW-52222-092412-JV-708 (240-15580-4)[10X] and GW-52222-092412-JV-709 (240-15580-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the ammonia analyses.

All quality control parameters were within the acceptance limits.

PHENOLS

Samples were analyzed for phenols in accordance with EPA Method 420.1. The samples were prepared and analyzed on 10/01/2012 and 10/08/2012.

No difficulties were encountered during the phenol analyses.

All quality control parameters were within the acceptance limits.

TOTAL PHOSPHORUS

Samples were analyzed for total phosphorus in accordance with SM 4500 P E. The samples were prepared and analyzed on 10/04/2012.

No difficulties were encountered during the total phosphorus analyses.

Job ID: 240-15550-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples were analyzed for Biochemical oxygen demand in accordance with SM 5210B. The samples were analyzed on 09/26/2012 and 10/03/2012.

The seed correction factor associated with BOD batch 59055 was above the method range of 0.6 mg/L to 1.0 mg/L at 1.42 mg/L. Associated sample results have been adjusted for the actual correction factor and are reported.

Reanalysis of samples: GW-52222-092512-JV-712 (240-15580-2) and GW-52222-092512-JV-713 (240-15580-3) were performed outside of the analytical holding time. The associated BOD samples were originally analyzed within the method defined holding time; however, the results did not meet method specific requirements with respect ot oxygen depletions.

The seed correction factor associated with BOD batch 59180 was above the method range of 0.6 mg/L to 1.0 mg/L at 1.25 mg/L. Associated sample results have been adjusted for the actual correction factor and are reported.

The seed correction factor associated with BOD batch 59997 was above the method range of 0.6 mg/L to 1.0 mg/L at 1.27 mg/L. Associated sample results have been adjusted for the actual correction factor and are reported.

No other difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples were analyzed for chemical oxygen demand in accordance with SM 5220D. The samples were prepared and analyzed on 10/02/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 10/02/2012.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
s	SCB Recovery High

Glossary

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

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-15550-1	GW-52222-092412-JV-705	Water	09/24/12 10:45	09/25/12 08:15
240-15550-2	GW-52222-092412-JV-706	Water	09/24/12 11:30	09/25/12 08:15
240-15550-3	GW-52222-092412-JV-707	Water	09/24/12 12:40	09/25/12 08:15
240-15550-4	GW-52222-092412-JV-708	Water	09/24/12 14:00	09/25/12 08:15
240-15550-5	GW-52222-092412-JV-709	Water	09/24/12 15:15	09/25/12 08:15
240-15550-6	TB-52222-092412-JV-710	Water	09/24/12 00:00	09/25/12 08:15
240-15580-1	GW-52222-092512-JV-711	Water	09/25/12 09:05	09/26/12 08:00
240-15580-2	GW-52222-092512-JV-712	Water	09/25/12 10:50	09/26/12 08:00
240-15580-3	GW-52222-092512-JV-713	Water	09/25/12 10:10	09/26/12 08:00
240-15580-4	GW-52222-092512-JV-714	Water	09/25/12 14:25	09/26/12 08:00
240-15580-5	GW-52222-092512-JV-715	Water	09/25/12 15:30	09/26/12 08:00
240-15580-6	GW-52222-092512-JV-716	Water	09/25/12 15:40	09/26/12 08:00
240-15580-7	TB-52222-092512-JV-717	Water	09/25/12 00:00	09/26/12 08:00
240-15668-1	SW-52222-092612-JV-718	Water	09/26/12 08:20	09/27/12 08:00
240-15668-2	SW-52222-092612-JV-719	Water	09/26/12 08:24	09/27/12 08:00
240-15668-3	SW-52222-092612-JV-720	Water	09/26/12 08:42	09/27/12 08:00
240-15668-4	SW-52222-092612-JV-721	Water	09/26/12 09:10	09/27/12 08:00
240-15668-5	SW-52222-092612-JV-722	Water	09/26/12 09:26	09/27/12 08:00
240-15668-6	SW-52222-092612-JV-723	Water	09/26/12 10:00	09/27/12 08:00

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092412-JV-705 — Lab Sample ID: 240-15550-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	25		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	120	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	110000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	1500		100	81	ug/L	1		6010B	Total Recoverable
Potassium	2800		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	30000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	470	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	30000		1000	590	ug/L	1		6010B	Total Recoverable
Chloride	55		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	31		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.22		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	330		5.0	2.7	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GW-52222-092412-JV-706 — Lab Sample ID: 240-15550-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	45		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	69	J B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	78000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	1300		100	81	ug/L	1		6010B	Total Recoverable
Potassium	1300		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	23000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	110	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	17000		1000	590	ug/L	1		6010B	Total Recoverable
Copper	0.44	J B	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	5.6	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	14		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	2.9		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.28		0.20	0.035	mg/L	1		350.3	Total/NA
Phenols, Total	0.017	J	0.040	0.0073	mg/L	1		420.1	Total/NA
Alkalinity	270		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.039	J	0.10	0.033	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: GW-52222-092412-JV-707 — Lab Sample ID: 240-15550-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	90	J B	100	0.67	ug/L	1		6010B	Total Recoverable

Client Sample ID: GW-52222-092412-JV-707 (Continued) — Lab Sample ID: 240-15550-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	77000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	1600		100	81	ug/L	1		6010B	Total Recoverable
Potassium	840	J	1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	23000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	95	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	6800		1000	590	ug/L	1		6010B	Total Recoverable
Copper	0.48	J B	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	3.1	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	11		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	8.0		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.27		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	270		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.084	J	0.10	0.033	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: GW-52222-092412-JV-708 — Lab Sample ID: 240-15550-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.18	J	1.0	0.13	ug/L	1		8260B	Total/NA
Chlorobenzene	2.6		1.0	0.15	ug/L	1		8260B	Total/NA
Chloroethane	0.38	J	1.0	0.29	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	0.14	J	1.0	0.13	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	1.5		1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	47		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	110	B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	95000	B	5000	130	ug/L	1		6010B	Total Recoverable
Iron	10000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	11000		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	34000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	390	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	42000		1000	590	ug/L	1		6010B	Total Recoverable
Chloride	130		1.0	0.10	mg/L	1		300.0	Total/NA
Sulfate	2.3		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	18		2.0	0.35	mg/L	10		350.3	Total/NA
Alkalinity	360		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.24		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	7.9		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	24		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092412-JV-709 — Lab Sample ID: 240-15550-5

Client Sample ID: GW-52222-092412-JV-709 (Continued) — Lab Sample ID: 240-15550-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.29	J	1.0	0.13	ug/L	1		8260B	Total/NA
Chlorobenzene	2.6		1.0	0.15	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	0.21	J	1.0	0.13	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	2.8		1.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	94		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	84	J B	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	83000	B	5000	130	ug/L	1		6010B	Total Recoverable
Cobalt	2.1	J	7.0	1.7	ug/L	1		6010B	Total Recoverable
Iron	11000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	17000	B	1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	33000		1000	34	ug/L	1		6010B	Total Recoverable
Manganese	140		15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	39000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	4.6	J	20	3.2	ug/L	1		6010B	Total Recoverable
Selenium	5.9		5.0	4.1	ug/L	1		6010B	Total Recoverable
Vanadium	1.0	J B	4.0	0.64	ug/L	1		6010B	Total Recoverable
Antimony	0.20	J	5.0	0.13	ug/L	1		6020	Total Recoverable
Thallium	0.49	J	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	5.1	J B	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	120		1.0	0.10	mg/L	1		300.0	Total/NA
Ammonia (as N)	29		2.0	0.35	mg/L	10		350.3	Total/NA
Alkalinity	410		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.59		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	10		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	39		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: TB-52222-092412-JV-710 — Lab Sample ID: 240-15550-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.5	J	10	1.1	ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	0.85	J	10	0.32	ug/L	1		8260B	Total/NA

Client Sample ID: GW-52222-092512-JV-711 — Lab Sample ID: 240-15580-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	17		2.0	0.26	ug/L	2		8260B	Total/NA
Chlorobenzene	3.3		2.0	0.30	ug/L	2		8260B	Total/NA
Arsenic	32		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	230		100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	140000		5000	130	ug/L	1		6010B	Total Recoverable

Client Sample ID: GW-52222-092512-JV-711 (Continued) — Lab Sample ID: 240-15580-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.0	J	7.0	1.7	ug/L	1		6010B	Total Recoverable
Iron	9800		100	81	ug/L	1		6010B	Total Recoverable
Potassium	2400		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	54000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	52	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	56000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	3.2	J	20	3.2	ug/L	1		6010B	Total Recoverable
Thallium	0.27	J	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	4.2	J	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	250		5.0	0.50	mg/L	5		300.0	Total/NA
Ammonia (as N)	3.0		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	360		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.12		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Chemical Oxygen Demand	49		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092512-JV-712 — Lab Sample ID: 240-15580-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.40	J	2.0	0.26	ug/L	2		8260B	Total/NA
Toluene	0.31	J	2.0	0.26	ug/L	2		8260B	Total/NA
Arsenic	36		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	150		100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	190000		5000	130	ug/L	1		6010B	Total Recoverable
Iron	15000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	2100		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	60000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	68	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	68000		1000	590	ug/L	1		6010B	Total Recoverable
Thallium	0.20	J	2.0	0.14	ug/L	1		6020	Total Recoverable
Chloride	230		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	0.92	J	1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	0.69		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	440		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.077	J	0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Chemical Oxygen Demand	57		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092512-JV-713 — Lab Sample ID: 240-15580-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	600		25	3.3	ug/L	25		8260B	Total/NA

Client Sample ID: GW-52222-092512-JV-713 (Continued) — Lab Sample ID: 240-15580-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	180		25	3.8	ug/L	25		8260B	Total/NA
Xylenes, Total	16	J	25	7.0	ug/L	25		8260B	Total/NA
Arsenic	86		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	150		100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	170000		5000	130	ug/L	1		6010B	Total Recoverable
Iron	11000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	28000		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	53000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	350	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	130000		1000	590	ug/L	1		6010B	Total Recoverable
Nickel	8.3	J	20	3.2	ug/L	1		6010B	Total Recoverable
Antimony	0.16	J	5.0	0.13	ug/L	1		6020	Total Recoverable
Thallium	0.17	J	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	1200		10	2.3	ug/L	1		6020	Total Recoverable
Chloride	250		10	1.0	mg/L	10		300.0	Total/NA
Sulfate	2.6		1.0	0.12	mg/L	1		300.0	Total/NA
Ammonia (as N)	81		4.0	0.70	mg/L	20		350.3	Total/NA
Alkalinity	840		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Total Phosphorus as PO4	0.21		0.10	0.033	mg/L	1		SM 4500 P E	Total/NA
Chemical Oxygen Demand	140		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092512-JV-714 — Lab Sample ID: 240-15580-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18		5.0	3.2	ug/L	1		6010B	Total Recoverable
Barium	720		100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	420000		5000	130	ug/L	1		6010B	Total Recoverable
Cobalt	7.5		7.0	1.7	ug/L	1		6010B	Total Recoverable
Iron	17000		100	81	ug/L	1		6010B	Total Recoverable
Potassium	13000		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	85000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	2200	B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	1200000		5000	3000	ug/L	5		6010B	Total Recoverable
Nickel	8.0	J	20	3.2	ug/L	1		6010B	Total Recoverable
Copper	0.38	J	25	0.29	ug/L	1		6020	Total Recoverable

Client Sample ID: GW-52222-092512-JV-714 (Continued) — Lab Sample ID: 240-15580-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.14	J	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	620		10	2.3	ug/L	1		6020	Total Recoverable
Chloride	2400		20	2.0	mg/L	20		300.0	Total/NA
Sulfate	140		20	2.4	mg/L	20		300.0	Total/NA
Ammonia (as N)	1.6		0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	650		5.0	2.7	mg/L	1		SM 2320B	Total/NA
Chemical Oxygen Demand	86		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: GW-52222-092512-JV-715 — Lab Sample ID: 240-15580-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	64	J	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	160000		5000	130	ug/L	1		6010B	Total Recoverable
Iron	86	J	100	81	ug/L	1		6010B	Total Recoverable
Potassium	1300		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	26000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	2.4	J B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	18000		1000	590	ug/L	1		6010B	Total Recoverable
Copper	0.65	J	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	3.3	J	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	76		5.0	0.50	mg/L	5		300.0	Total/NA
Sulfate	12		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.076	J	0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	420		5.0	2.7	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GW-52222-092512-JV-716 — Lab Sample ID: 240-15580-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	66	J	100	0.67	ug/L	1		6010B	Total Recoverable
Calcium	160000		5000	130	ug/L	1		6010B	Total Recoverable
Iron	89	J	100	81	ug/L	1		6010B	Total Recoverable
Potassium	1400		1000	72	ug/L	1		6010B	Total Recoverable
Magnesium	27000	B	1000	34	ug/L	1		6010B	Total Recoverable
Manganese	2.6	J B	15	0.41	ug/L	1		6010B	Total Recoverable
Sodium	19000		1000	590	ug/L	1		6010B	Total Recoverable
Copper	1.2	J	25	0.29	ug/L	1		6020	Total Recoverable
Zinc	8.5	J	10	2.3	ug/L	1		6020	Total Recoverable
Chloride	76		5.0	0.50	mg/L	5		300.0	Total/NA

Client Sample ID: GW-52222-092512-JV-716 (Continued) — Lab Sample ID: 240-15580-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	13		5.0	0.60	mg/L	5		300.0	Total/NA
Ammonia (as N)	0.075	J	0.20	0.035	mg/L	1		350.3	Total/NA
Alkalinity	420		5.0	2.7	mg/L	1		SM 2320B	Total/NA

Client Sample ID: TB-52222-092512-JV-717 — Lab Sample ID: 240-15580-7

No Detections

Client Sample ID: SW-52222-092612-JV-718 — Lab Sample ID: 240-15668-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	91000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Hardness as calcium carbonate	370		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-092612-JV-719 — Lab Sample ID: 240-15668-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	94000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	2.0	J	4.0	1.8	mg/L	1		160.2	Total/NA
Hardness as calcium carbonate	350		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-092612-JV-720 — Lab Sample ID: 240-15668-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	89000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	22000	B	1000	34	ug/L	1		6010B	Total Recoverable
Hardness as calcium carbonate	370		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-092612-JV-721 — Lab Sample ID: 240-15668-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	92000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	2.0	J	4.0	1.8	mg/L	1		160.2	Total/NA
Hardness as calcium carbonate	380		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: SW-52222-092612-JV-722 — Lab Sample ID: 240-15668-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	92000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Total Suspended Solids	4.0		4.0	1.8	mg/L	1		160.2	Total/NA
Hardness as calcium carbonate	370		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: SW-52222-092612-JV-723 — Lab Sample ID: 240-15668-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	92000		5000	130	ug/L	1		6010B	Total Recoverable
Magnesium	23000	B	1000	34	ug/L	1		6010B	Total Recoverable
Hardness as calcium carbonate	350		5.0	3.1	mg/L	1		SM 2340C	Total/NA

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
6010B	Metals (ICP)	SW846	TAL NC
6020	Metals (ICP/MS)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC
160.2	Solids, Total Suspended (TSS)	MCAWW	TAL NC
300.0	Anions, Ion Chromatography	MCAWW	TAL NC
350.3	Nitrogen, Ammonia	MCAWW	TAL NC
420.1	Phenolics, Total Recoverable	MCAWW	TAL NC
9012A	Cyanide, Total and/or Amenable	SW846	TAL NC
SM 2320B	Alkalinity	SM	TAL NC
SM 2340C	Hardness, Total	SM	TAL NC
SM 4500 P E	Phosphorus	SM	TAL NC
SM 5210B	BOD, 5-Day	SM	TAL NC
SM 5220D	COD	SM	TAL NC

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

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

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 18:51	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 18:51	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 18:51	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 18:51	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 18:51	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 18:51	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 18:51	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 18:51	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 18:51	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 18:51	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 18:51	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 18:51	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 18:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 18:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 18:51	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 18:51	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 18:51	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 18:51	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 18:51	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 18:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 18:51	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 18:51	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 18:51	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 18:51	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 18:51	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 18:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 18:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 18:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 18:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 18:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 18:51	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*09/27/12 18:51*	*1*
4-Bromofluorobenzene (Surr)	*91*		*66 - 117*		*09/27/12 18:51*	*1*
Toluene-d8 (Surr)	*99*		*74 - 115*		*09/27/12 18:51*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*09/27/12 18:51*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 19:14	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:14	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 19:14	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 19:14	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 19:14	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 19:14	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 19:14	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 19:14	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 19:14	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:14	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:14	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:14	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 19:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 19:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 19:14	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 19:14	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 19:14	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 19:14	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 19:14	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 19:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:14	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 19:14	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:14	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 19:14	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 19:14	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 19:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 19:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:14	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*09/27/12 19:14*	*1*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*09/27/12 19:14*	*1*
Toluene-d8 (Surr)	*92*		*74 - 115*		*09/27/12 19:14*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 121*		*09/27/12 19:14*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 19:36	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:36	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 19:36	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 19:36	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 19:36	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 19:36	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 19:36	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 19:36	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 19:36	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:36	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:36	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:36	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 19:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 19:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 19:36	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 19:36	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 19:36	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 19:36	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 19:36	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 19:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:36	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 19:36	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:36	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 19:36	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 19:36	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 19:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 19:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 19:36	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 129*		*09/27/12 19:36*	*1*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*		*09/27/12 19:36*	*1*
Toluene-d8 (Surr)	*105*		*74 - 115*		*09/27/12 19:36*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 121*		*09/27/12 19:36*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 19:59	1
Benzene	**0.18**	**J**	1.0	0.13	ug/L			09/27/12 19:59	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:59	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 19:59	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 19:59	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 19:59	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 19:59	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 19:59	1
Chlorobenzene	**2.6**		1.0	0.15	ug/L			09/27/12 19:59	1
Chloroethane	**0.38**	**J**	1.0	0.29	ug/L			09/27/12 19:59	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 19:59	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 19:59	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 19:59	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:59	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:59	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 19:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 19:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 19:59	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 19:59	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 19:59	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 19:59	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 19:59	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 19:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:59	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 19:59	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 19:59	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:59	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 19:59	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 19:59	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 19:59	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 19:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 19:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 19:59	1
1,2-Dichlorobenzene	**0.14**	**J**	1.0	0.13	ug/L			09/27/12 19:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 19:59	1
1,4-Dichlorobenzene	**1.5**		1.0	0.13	ug/L			09/27/12 19:59	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 129*		*09/27/12 19:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*66 - 117*		*09/27/12 19:59*	*1*
Toluene-d8 (Surr)	*102*		*74 - 115*		*09/27/12 19:59*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 121*		*09/27/12 19:59*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 20:21	1
Benzene	**0.29**	**J**	1.0	0.13	ug/L			09/27/12 20:21	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 20:21	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 20:21	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 20:21	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 20:21	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 20:21	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 20:21	1
Chlorobenzene	**2.6**		1.0	0.15	ug/L			09/27/12 20:21	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 20:21	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 20:21	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 20:21	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 20:21	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 20:21	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 20:21	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 20:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 20:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 20:21	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 20:21	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 20:21	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 20:21	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 20:21	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 20:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 20:21	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 20:21	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 20:21	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 20:21	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 20:21	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 20:21	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 20:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 20:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 20:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 20:21	1
1,2-Dichlorobenzene	**0.21**	**J**	1.0	0.13	ug/L			09/27/12 20:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 20:21	1
1,4-Dichlorobenzene	**2.8**		1.0	0.13	ug/L			09/27/12 20:21	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*63 - 129*		*09/27/12 20:21*	*1*
4-Bromofluorobenzene (Surr)	*89*		*66 - 117*		*09/27/12 20:21*	*1*
Toluene-d8 (Surr)	*95*		*74 - 115*		*09/27/12 20:21*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 121*		*09/27/12 20:21*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: TB-52222-092412-JV-710
Date Collected: 09/24/12 00:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.5**	**J**	10	1.1	ug/L			09/27/12 21:28	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 21:28	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 21:28	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 21:28	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 21:28	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 21:28	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 21:28	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 21:28	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 21:28	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 21:28	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 21:28	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 21:28	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 21:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 21:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 21:28	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 21:28	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 21:28	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 21:28	1
4-Methyl-2-pentanone (MIBK)	**0.85**	**J**	10	0.32	ug/L			09/27/12 21:28	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 21:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 21:28	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 21:28	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 21:28	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 21:28	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 21:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 21:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 21:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 21:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 21:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 21:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 21:28	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 129*		*09/27/12 21:28*	*1*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*		*09/27/12 21:28*	*1*
Toluene-d8 (Surr)	*103*		*74 - 115*		*09/27/12 21:28*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 121*		*09/27/12 21:28*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	20	2.2	ug/L			10/01/12 13:17	2
Benzene	**17**		2.0	0.26	ug/L			10/01/12 13:17	2
Bromodichloromethane	2.0	U	2.0	0.30	ug/L			10/01/12 13:17	2
Bromoform	2.0	U	2.0	1.3	ug/L			10/01/12 13:17	2
Bromomethane	2.0	U	2.0	0.82	ug/L			10/01/12 13:17	2
2-Butanone (MEK)	20	U	20	1.1	ug/L			10/01/12 13:17	2
Carbon disulfide	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
Carbon tetrachloride	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
Chlorobenzene	**3.3**		2.0	0.30	ug/L			10/01/12 13:17	2
Chloroethane	2.0	U	2.0	0.58	ug/L			10/01/12 13:17	2
Chloroform	2.0	U	2.0	0.32	ug/L			10/01/12 13:17	2
Chloromethane	2.0	U	2.0	0.60	ug/L			10/01/12 13:17	2
1,1-Dichloroethane	2.0	U	2.0	0.30	ug/L			10/01/12 13:17	2
1,2-Dichloroethane	2.0	U	2.0	0.44	ug/L			10/01/12 13:17	2
1,1-Dichloroethene	2.0	U	2.0	0.38	ug/L			10/01/12 13:17	2
1,2-Dichloropropane	2.0	U	2.0	0.36	ug/L			10/01/12 13:17	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.28	ug/L			10/01/12 13:17	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.38	ug/L			10/01/12 13:17	2
Ethylbenzene	2.0	U	2.0	0.34	ug/L			10/01/12 13:17	2
2-Hexanone	20	U	20	0.82	ug/L			10/01/12 13:17	2
Methylene Chloride	2.0	U	2.0	0.66	ug/L			10/01/12 13:17	2
4-Methyl-2-pentanone (MIBK)	20	U	20	0.64	ug/L			10/01/12 13:17	2
Styrene	2.0	U	2.0	0.22	ug/L			10/01/12 13:17	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.36	ug/L			10/01/12 13:17	2
Tetrachloroethene	2.0	U	2.0	0.58	ug/L			10/01/12 13:17	2
Toluene	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
Trichloroethene	2.0	U	2.0	0.34	ug/L			10/01/12 13:17	2
Vinyl chloride	2.0	U	2.0	0.44	ug/L			10/01/12 13:17	2
Xylenes, Total	2.0	U	2.0	0.56	ug/L			10/01/12 13:17	2
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ug/L			10/01/12 13:17	2
1,1,2-Trichloroethane	2.0	U	2.0	0.54	ug/L			10/01/12 13:17	2
cis-1,2-Dichloroethene	2.0	U	2.0	0.34	ug/L			10/01/12 13:17	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.38	ug/L			10/01/12 13:17	2
1,2-Dichlorobenzene	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
1,3-Dichlorobenzene	2.0	U	2.0	0.28	ug/L			10/01/12 13:17	2
1,4-Dichlorobenzene	2.0	U	2.0	0.26	ug/L			10/01/12 13:17	2
Dibromochloromethane	2.0	U	2.0	0.36	ug/L			10/01/12 13:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*10/01/12 13:17*	*2*
4-Bromofluorobenzene (Surr)	*93*		*66 - 117*		*10/01/12 13:17*	*2*
Toluene-d8 (Surr)	*90*		*74 - 115*		*10/01/12 13:17*	*2*
Dibromofluoromethane (Surr)	*91*		*75 - 121*		*10/01/12 13:17*	*2*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	20	2.2	ug/L			10/01/12 13:40	2
Benzene	**0.40**	**J**	2.0	0.26	ug/L			10/01/12 13:40	2
Bromodichloromethane	2.0	U	2.0	0.30	ug/L			10/01/12 13:40	2
Bromoform	2.0	U	2.0	1.3	ug/L			10/01/12 13:40	2
Bromomethane	2.0	U	2.0	0.82	ug/L			10/01/12 13:40	2
2-Butanone (MEK)	20	U	20	1.1	ug/L			10/01/12 13:40	2
Carbon disulfide	2.0	U	2.0	0.26	ug/L			10/01/12 13:40	2
Carbon tetrachloride	2.0	U	2.0	0.26	ug/L			10/01/12 13:40	2
Chlorobenzene	2.0	U	2.0	0.30	ug/L			10/01/12 13:40	2
Chloroethane	2.0	U	2.0	0.58	ug/L			10/01/12 13:40	2
Chloroform	2.0	U	2.0	0.32	ug/L			10/01/12 13:40	2
Chloromethane	2.0	U	2.0	0.60	ug/L			10/01/12 13:40	2
1,1-Dichloroethane	2.0	U	2.0	0.30	ug/L			10/01/12 13:40	2
1,2-Dichloroethane	2.0	U	2.0	0.44	ug/L			10/01/12 13:40	2
1,1-Dichloroethene	2.0	U	2.0	0.38	ug/L			10/01/12 13:40	2
1,2-Dichloropropane	2.0	U	2.0	0.36	ug/L			10/01/12 13:40	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.28	ug/L			10/01/12 13:40	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.38	ug/L			10/01/12 13:40	2
Ethylbenzene	2.0	U	2.0	0.34	ug/L			10/01/12 13:40	2
2-Hexanone	20	U	20	0.82	ug/L			10/01/12 13:40	2
Methylene Chloride	2.0	U	2.0	0.66	ug/L			10/01/12 13:40	2
4-Methyl-2-pentanone (MIBK)	20	U	20	0.64	ug/L			10/01/12 13:40	2
Styrene	2.0	U	2.0	0.22	ug/L			10/01/12 13:40	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.36	ug/L			10/01/12 13:40	2
Tetrachloroethene	2.0	U	2.0	0.58	ug/L			10/01/12 13:40	2
Toluene	**0.31**	**J**	2.0	0.26	ug/L			10/01/12 13:40	2
Trichloroethene	2.0	U	2.0	0.34	ug/L			10/01/12 13:40	2
Vinyl chloride	2.0	U	2.0	0.44	ug/L			10/01/12 13:40	2
Xylenes, Total	2.0	U	2.0	0.56	ug/L			10/01/12 13:40	2
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ug/L			10/01/12 13:40	2
1,1,2-Trichloroethane	2.0	U	2.0	0.54	ug/L			10/01/12 13:40	2
cis-1,2-Dichloroethene	2.0	U	2.0	0.34	ug/L			10/01/12 13:40	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.38	ug/L			10/01/12 13:40	2
1,2-Dichlorobenzene	2.0	U	2.0	0.26	ug/L			10/01/12 13:40	2
1,3-Dichlorobenzene	2.0	U	2.0	0.28	ug/L			10/01/12 13:40	2
1,4-Dichlorobenzene	2.0	U	2.0	0.26	ug/L			10/01/12 13:40	2
Dibromochloromethane	2.0	U	2.0	0.36	ug/L			10/01/12 13:40	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*10/01/12 13:40*	*2*
4-Bromofluorobenzene (Surr)	*90*		*66 - 117*		*10/01/12 13:40*	*2*
Toluene-d8 (Surr)	*93*		*74 - 115*		*10/01/12 13:40*	*2*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*10/01/12 13:40*	*2*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	250	U	250	28	ug/L			10/01/12 14:03	25
Benzene	**600**		25	3.3	ug/L			10/01/12 14:03	25
Bromodichloromethane	25	U	25	3.8	ug/L			10/01/12 14:03	25
Bromoform	25	U	25	16	ug/L			10/01/12 14:03	25
Bromomethane	25	U	25	10	ug/L			10/01/12 14:03	25
2-Butanone (MEK)	250	U	250	14	ug/L			10/01/12 14:03	25
Carbon disulfide	25	U	25	3.3	ug/L			10/01/12 14:03	25
Carbon tetrachloride	25	U	25	3.3	ug/L			10/01/12 14:03	25
Chlorobenzene	**180**		25	3.8	ug/L			10/01/12 14:03	25
Chloroethane	25	U	25	7.3	ug/L			10/01/12 14:03	25
Chloroform	25	U	25	4.0	ug/L			10/01/12 14:03	25
Chloromethane	25	U	25	7.5	ug/L			10/01/12 14:03	25
1,1-Dichloroethane	25	U	25	3.8	ug/L			10/01/12 14:03	25
1,2-Dichloroethane	25	U	25	5.5	ug/L			10/01/12 14:03	25
1,1-Dichloroethene	25	U	25	4.8	ug/L			10/01/12 14:03	25
1,2-Dichloropropane	25	U	25	4.5	ug/L			10/01/12 14:03	25
cis-1,3-Dichloropropene	25	U	25	3.5	ug/L			10/01/12 14:03	25
trans-1,3-Dichloropropene	25	U	25	4.8	ug/L			10/01/12 14:03	25
Ethylbenzene	25	U	25	4.3	ug/L			10/01/12 14:03	25
2-Hexanone	250	U	250	10	ug/L			10/01/12 14:03	25
Methylene Chloride	25	U	25	8.3	ug/L			10/01/12 14:03	25
4-Methyl-2-pentanone (MIBK)	250	U	250	8.0	ug/L			10/01/12 14:03	25
Styrene	25	U	25	2.8	ug/L			10/01/12 14:03	25
1,1,2,2-Tetrachloroethane	25	U	25	4.5	ug/L			10/01/12 14:03	25
Tetrachloroethene	25	U	25	7.3	ug/L			10/01/12 14:03	25
Toluene	25	U	25	3.3	ug/L			10/01/12 14:03	25
Trichloroethene	25	U	25	4.3	ug/L			10/01/12 14:03	25
Vinyl chloride	25	U	25	5.5	ug/L			10/01/12 14:03	25
Xylenes, Total	**16**	**J**	25	7.0	ug/L			10/01/12 14:03	25
1,1,1-Trichloroethane	25	U	25	5.5	ug/L			10/01/12 14:03	25
1,1,2-Trichloroethane	25	U	25	6.8	ug/L			10/01/12 14:03	25
cis-1,2-Dichloroethene	25	U	25	4.3	ug/L			10/01/12 14:03	25
trans-1,2-Dichloroethene	25	U	25	4.8	ug/L			10/01/12 14:03	25
1,2-Dichlorobenzene	25	U	25	3.3	ug/L			10/01/12 14:03	25
1,3-Dichlorobenzene	25	U	25	3.5	ug/L			10/01/12 14:03	25
1,4-Dichlorobenzene	25	U	25	3.3	ug/L			10/01/12 14:03	25
Dibromochloromethane	25	U	25	4.5	ug/L			10/01/12 14:03	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*10/01/12 14:03*	*25*
4-Bromofluorobenzene (Surr)	*96*		*66 - 117*		*10/01/12 14:03*	*25*
Toluene-d8 (Surr)	*93*		*74 - 115*		*10/01/12 14:03*	*25*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*10/01/12 14:03*	*25*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 18:34	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 18:34	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 18:34	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 18:34	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 18:34	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 18:34	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 18:34	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 18:34	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 18:34	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 18:34	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 18:34	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 18:34	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 18:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 18:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 18:34	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 18:34	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 18:34	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 18:34	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 18:34	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 18:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 18:34	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 18:34	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 18:34	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 18:34	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 18:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 18:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 18:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 18:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 18:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 18:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:34	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 129*		*09/28/12 18:34*	*1*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*		*09/28/12 18:34*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*09/28/12 18:34*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*09/28/12 18:34*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 18:57	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 18:57	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 18:57	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 18:57	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 18:57	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 18:57	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 18:57	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 18:57	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 18:57	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 18:57	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 18:57	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 18:57	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 18:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 18:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 18:57	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 18:57	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 18:57	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 18:57	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 18:57	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 18:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 18:57	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 18:57	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 18:57	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 18:57	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 18:57	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 18:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 18:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 18:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 18:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 18:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 18:57	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*09/28/12 18:57*	*1*
4-Bromofluorobenzene (Surr)	*90*		*66 - 117*		*09/28/12 18:57*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*09/28/12 18:57*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*09/28/12 18:57*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 19:20	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 19:20	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 19:20	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 19:20	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 19:20	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 19:20	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 19:20	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 19:20	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 19:20	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 19:20	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 19:20	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 19:20	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 19:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 19:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 19:20	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 19:20	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 19:20	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 19:20	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 19:20	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 19:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 19:20	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 19:20	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 19:20	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 19:20	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 19:20	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 19:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 19:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 19:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 19:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 19:20	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:20	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*09/28/12 19:20*	*1*
4-Bromofluorobenzene (Surr)	*93*		*66 - 117*		*09/28/12 19:20*	*1*
Toluene-d8 (Surr)	*91*		*74 - 115*		*09/28/12 19:20*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*09/28/12 19:20*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: TB-52222-092512-JV-717
Date Collected: 09/25/12 00:00
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 19:42	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 19:42	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 19:42	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 19:42	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 19:42	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 19:42	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 19:42	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 19:42	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 19:42	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 19:42	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 19:42	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 19:42	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 19:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 19:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 19:42	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 19:42	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 19:42	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 19:42	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 19:42	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 19:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 19:42	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 19:42	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 19:42	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 19:42	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 19:42	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 19:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 19:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 19:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 19:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 19:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 19:42	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*09/28/12 19:42*	*1*
4-Bromofluorobenzene (Surr)	*88*		*66 - 117*		*09/28/12 19:42*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*09/28/12 19:42*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 121*		*09/28/12 19:42*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**25**		5.0	3.2	ug/L		09/27/12 09:51	10/03/12 19:51	1
Barium	**120**	**B**	100	0.67	ug/L		09/27/12 09:51	10/03/12 19:51	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 19:51	1
Calcium	**110000**	**B**	5000	130	ug/L		09/27/12 09:51	10/03/12 19:51	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 19:51	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 19:51	1
Iron	**1500**		100	81	ug/L		09/27/12 09:51	10/03/12 19:51	1
Potassium	**2800**		1000	72	ug/L		09/27/12 09:51	10/03/12 19:51	1
Magnesium	**30000**		1000	34	ug/L		09/27/12 09:51	10/03/12 19:51	1
Manganese	**470**	**B**	15	0.41	ug/L		09/27/12 09:51	10/03/12 19:51	1
Sodium	**30000**		1000	590	ug/L		09/27/12 09:51	10/01/12 18:32	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 19:51	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 19:51	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 19:51	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 19:51	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**45**		5.0	3.2	ug/L		09/27/12 09:51	10/03/12 20:03	1
Barium	**69**	**J B**	100	0.67	ug/L		09/27/12 09:51	10/03/12 20:03	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 20:03	1
Calcium	**78000**	**B**	5000	130	ug/L		09/27/12 09:51	10/03/12 20:03	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 20:03	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 20:03	1
Iron	**1300**		100	81	ug/L		09/27/12 09:51	10/03/12 20:03	1
Potassium	**1300**		1000	72	ug/L		09/27/12 09:51	10/03/12 20:03	1
Magnesium	**23000**		1000	34	ug/L		09/27/12 09:51	10/03/12 20:03	1
Manganese	**110**	**B**	15	0.41	ug/L		09/27/12 09:51	10/03/12 20:03	1
Sodium	**17000**		1000	590	ug/L		09/27/12 09:51	10/01/12 18:36	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 20:03	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 20:03	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 20:03	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 20:03	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12**		5.0	3.2	ug/L		09/27/12 09:51	10/03/12 20:06	1
Barium	**90**	**J B**	100	0.67	ug/L		09/27/12 09:51	10/03/12 20:06	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 20:06	1
Calcium	**77000**	**B**	5000	130	ug/L		09/27/12 09:51	10/03/12 20:06	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 20:06	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 20:06	1
Iron	**1600**		100	81	ug/L		09/27/12 09:51	10/03/12 20:06	1
Potassium	**840**	**J**	1000	72	ug/L		09/27/12 09:51	10/03/12 20:06	1
Magnesium	**23000**		1000	34	ug/L		09/27/12 09:51	10/03/12 20:06	1
Manganese	**95**	**B**	15	0.41	ug/L		09/27/12 09:51	10/03/12 20:06	1
Sodium	**6800**		1000	590	ug/L		09/27/12 09:51	10/01/12 18:40	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 20:06	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 20:06	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 20:06	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 20:06	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**47**		5.0	3.2	ug/L		09/27/12 09:51	10/03/12 20:10	1
Barium	**110**	**B**	100	0.67	ug/L		09/27/12 09:51	10/03/12 20:10	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 20:10	1
Calcium	**95000**	**B**	5000	130	ug/L		09/27/12 09:51	10/03/12 20:10	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 20:10	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 20:10	1
Iron	**10000**		100	81	ug/L		09/27/12 09:51	10/03/12 20:10	1
Potassium	**11000**		1000	72	ug/L		09/27/12 09:51	10/03/12 20:10	1
Magnesium	**34000**		1000	34	ug/L		09/27/12 09:51	10/03/12 20:10	1
Manganese	**390**	**B**	15	0.41	ug/L		09/27/12 09:51	10/03/12 20:10	1
Sodium	**42000**		1000	590	ug/L		09/27/12 09:51	10/01/12 18:44	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 20:10	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 20:10	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 20:10	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 20:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**94**		5.0	3.2	ug/L		10/05/12 12:53	10/09/12 12:11	1
Barium	**84**	**J B**	100	0.67	ug/L		10/05/12 12:53	10/09/12 12:11	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/05/12 12:53	10/09/12 12:11	1
Calcium	**83000**	**B**	5000	130	ug/L		10/05/12 12:53	10/09/12 12:11	1
Cobalt	**2.1**	**J**	7.0	1.7	ug/L		10/05/12 12:53	10/09/12 12:11	1
Chromium	5.0	U	5.0	2.2	ug/L		10/05/12 12:53	10/09/12 12:11	1
Iron	**11000**		100	81	ug/L		10/05/12 12:53	10/09/12 12:11	1
Potassium	**17000**	**B**	1000	72	ug/L		10/05/12 12:53	10/09/12 12:11	1
Magnesium	**33000**		1000	34	ug/L		10/05/12 12:53	10/09/12 12:11	1
Manganese	**140**		15	0.41	ug/L		10/05/12 12:53	10/09/12 12:11	1
Sodium	**39000**		1000	590	ug/L		10/05/12 12:53	10/09/12 12:11	1
Nickel	**4.6**	**J**	20	3.2	ug/L		10/05/12 12:53	10/09/12 12:11	1
Lead	3.0	U	3.0	1.9	ug/L		10/05/12 12:53	10/09/12 12:11	1
Selenium	**5.9**		5.0	4.1	ug/L		10/05/12 12:53	10/09/12 12:11	1
Vanadium	**1.0**	**J B**	4.0	0.64	ug/L		10/05/12 12:53	10/09/12 12:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**32**		5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:12	1
Barium	**230**		100	0.67	ug/L		10/03/12 13:54	10/08/12 17:12	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:12	1
Calcium	**140000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:12	1
Cobalt	**3.0**	**J**	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:12	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:12	1
Iron	**9800**		100	81	ug/L		10/03/12 13:54	10/08/12 17:12	1
Potassium	**2400**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:12	1
Magnesium	**54000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:12	1
Manganese	**52**	**B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:12	1
Sodium	**56000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:30	1
Nickel	**3.2**	**J**	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:12	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:12	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:12	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:12	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**36**		5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:18	1
Barium	**150**		100	0.67	ug/L		10/03/12 13:54	10/08/12 17:18	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:18	1
Calcium	**190000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:18	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:18	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:18	1
Iron	**15000**		100	81	ug/L		10/03/12 13:54	10/08/12 17:18	1
Potassium	**2100**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:18	1
Magnesium	**60000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:18	1
Manganese	**68**	**B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:18	1
Sodium	**68000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:35	1
Nickel	20	U	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:18	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:18	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:18	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**86**		5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:24	1
Barium	**150**		100	0.67	ug/L		10/03/12 13:54	10/08/12 17:24	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:24	1
Calcium	**170000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:24	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:24	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:24	1
Iron	**11000**		100	81	ug/L		10/03/12 13:54	10/08/12 17:24	1
Potassium	**28000**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:24	1
Magnesium	**53000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:24	1
Manganese	**350**	**B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:24	1
Sodium	**130000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:41	1
Nickel	**8.3**	**J**	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:24	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:24	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:24	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:24	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**18**		5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:31	1
Barium	**720**		100	0.67	ug/L		10/03/12 13:54	10/08/12 17:31	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:31	1
Calcium	**420000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:31	1
Cobalt	**7.5**		7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:31	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:31	1
Iron	**17000**		100	81	ug/L		10/03/12 13:54	10/08/12 17:31	1
Potassium	**13000**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:31	1
Magnesium	**85000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:31	1
Manganese	**2200**	**B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:31	1
Sodium	**1200000**		5000	3000	ug/L		10/03/12 13:54	10/09/12 09:47	5
Nickel	**8.0**	**J**	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:31	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:31	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:31	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:31	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:37	1
Barium	**64**	**J**	100	0.67	ug/L		10/03/12 13:54	10/08/12 17:37	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:37	1
Calcium	**160000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:37	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:37	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:37	1
Iron	**86**	**J**	100	81	ug/L		10/03/12 13:54	10/08/12 17:37	1
Potassium	**1300**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:37	1
Magnesium	**26000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:37	1
Manganese	**2.4**	**J B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:37	1
Sodium	**18000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:52	1
Nickel	20	U	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:37	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:37	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:37	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:37	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		10/03/12 13:54	10/08/12 17:43	1
Barium	**66**	**J**	100	0.67	ug/L		10/03/12 13:54	10/08/12 17:43	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 17:43	1
Calcium	**160000**		5000	130	ug/L		10/03/12 13:54	10/08/12 17:43	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 17:43	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 17:43	1
Iron	**89**	**J**	100	81	ug/L		10/03/12 13:54	10/08/12 17:43	1
Potassium	**1400**		1000	72	ug/L		10/03/12 13:54	10/08/12 17:43	1
Magnesium	**27000**	**B**	1000	34	ug/L		10/03/12 13:54	10/08/12 17:43	1
Manganese	**2.6**	**J B**	15	0.41	ug/L		10/03/12 13:54	10/08/12 17:43	1
Sodium	**19000**		1000	590	ug/L		10/03/12 13:54	10/09/12 09:58	1
Nickel	20	U	20	3.2	ug/L		10/03/12 13:54	10/08/12 17:43	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 17:43	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 17:43	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 17:43	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-718
Date Collected: 09/26/12 08:20
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	91000		5000	130	ug/L		10/03/12 09:03	10/08/12 19:52	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 19:52	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-719
Date Collected: 09/26/12 08:24
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	94000		5000	130	ug/L		10/03/12 09:03	10/08/12 19:58	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 19:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-720
Date Collected: 09/26/12 08:42
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	89000		5000	130	ug/L		10/03/12 09:03	10/08/12 20:04	1
Magnesium	22000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 20:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-721
Date Collected: 09/26/12 09:10
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	92000		5000	130	ug/L		10/03/12 09:03	10/08/12 20:11	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 20:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-722
Date Collected: 09/26/12 09:26
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	92000		5000	130	ug/L		10/03/12 09:03	10/08/12 20:17	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 20:17	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: SW-52222-092612-JV-723
Date Collected: 09/26/12 10:00
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	92000		5000	130	ug/L		10/03/12 09:03	10/08/12 20:23	1
Magnesium	23000	B	1000	34	ug/L		10/03/12 09:03	10/08/12 20:23	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 17:36	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 17:36	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 17:36	1
Copper	25	U	25	0.29	ug/L		09/27/12 09:51	09/28/12 17:36	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 17:36	1
Zinc	10	U	10	2.3	ug/L		09/27/12 09:51	09/28/12 17:36	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 17:36	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 17:42	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 17:42	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 17:42	1
Copper	**0.44**	**J B**	25	0.29	ug/L		09/27/12 09:51	09/28/12 17:42	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 17:42	1
Zinc	**5.6**	**J B**	10	2.3	ug/L		09/27/12 09:51	09/28/12 17:42	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 17:42	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 17:47	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 17:47	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 17:47	1
Copper	**0.48**	**J B**	25	0.29	ug/L		09/27/12 09:51	09/28/12 17:47	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 17:47	1
Zinc	**3.1**	**J B**	10	2.3	ug/L		09/27/12 09:51	09/28/12 17:47	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 17:47	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 18:06	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 18:06	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 18:06	1
Copper	25	U	25	0.29	ug/L		09/27/12 09:51	09/28/12 18:06	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 18:06	1
Zinc	10	U	10	2.3	ug/L		09/27/12 09:51	09/28/12 18:06	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 18:06	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/05/12 12:53	10/08/12 19:44	1
Antimony	**0.20**	**J**	5.0	0.13	ug/L		10/05/12 12:53	10/08/12 19:44	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/05/12 12:53	10/08/12 19:44	1
Copper	25	U	25	0.29	ug/L		10/05/12 12:53	10/08/12 19:44	1
Thallium	**0.49**	**J**	2.0	0.14	ug/L		10/05/12 12:53	10/08/12 19:44	1
Zinc	**5.1**	**J B**	10	2.3	ug/L		10/05/12 12:53	10/08/12 19:44	1
Silver	0.50	U	0.50	0.080	ug/L		10/05/12 12:53	10/08/12 19:44	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 21:44	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 21:44	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 21:44	1
Copper	25	U	25	0.29	ug/L		10/03/12 13:54	10/04/12 21:44	1
Thallium	**0.27**	**J**	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 21:44	1
Zinc	**4.2**	**J**	10	2.3	ug/L		10/03/12 13:54	10/04/12 21:44	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 21:44	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 21:49	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 21:49	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 21:49	1
Copper	25	U	25	0.29	ug/L		10/03/12 13:54	10/04/12 21:49	1
Thallium	**0.20**	**J**	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 21:49	1
Zinc	10	U	10	2.3	ug/L		10/03/12 13:54	10/04/12 21:49	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 21:49	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 21:55	1
Antimony	**0.16**	**J**	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 21:55	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 21:55	1
Copper	25	U	25	0.29	ug/L		10/03/12 13:54	10/04/12 21:55	1
Thallium	**0.17**	**J**	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 21:55	1
Zinc	**1200**		10	2.3	ug/L		10/03/12 13:54	10/04/12 21:55	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 21:55	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 22:00	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 22:00	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 22:00	1
Copper	**0.38**	**J**	25	0.29	ug/L		10/03/12 13:54	10/04/12 22:00	1
Thallium	**0.14**	**J**	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 22:00	1
Zinc	**620**		10	2.3	ug/L		10/03/12 13:54	10/04/12 22:00	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 22:00	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 22:06	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 22:06	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 22:06	1
Copper	**0.65**	**J**	25	0.29	ug/L		10/03/12 13:54	10/04/12 22:06	1
Thallium	2.0	U	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 22:06	1
Zinc	**3.3**	**J**	10	2.3	ug/L		10/03/12 13:54	10/04/12 22:06	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 22:06	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/04/12 22:11	1
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 22:11	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 22:11	1
Copper	**1.2**	**J**	25	0.29	ug/L		10/03/12 13:54	10/04/12 22:11	1
Thallium	2.0	U	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 22:11	1
Zinc	**8.5**	**J**	10	2.3	ug/L		10/03/12 13:54	10/04/12 22:11	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 22:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 14:26	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 14:28	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 14:29	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 14:31	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 13:56	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 17:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 17:59	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 18:01	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 18:02	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 18:03	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 18:05	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092412-JV-705
Date Collected: 09/24/12 10:45
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55**		1.0	0.10	mg/L			09/26/12 15:46	1
Sulfate	**31**		1.0	0.12	mg/L			09/26/12 15:46	1
Ammonia (as N)	**0.22**		0.20	0.035	mg/L			10/02/12 15:21	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:39	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**330**		5.0	2.7	mg/L			09/29/12 14:35	1
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:19	10/04/12 12:59	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 08:53	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:31	10/02/12 12:32	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092412-JV-706
Date Collected: 09/24/12 11:30
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		1.0	0.10	mg/L			09/26/12 16:02	1
Sulfate	**2.9**		1.0	0.12	mg/L			09/26/12 16:02	1
Ammonia (as N)	**0.28**		0.20	0.035	mg/L			10/02/12 15:26	1
Phenols, Total	**0.017**	**J**	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:40	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**270**		5.0	2.7	mg/L			09/29/12 15:27	1
Total Phosphorus as PO4	**0.039**	**J**	0.10	0.033	mg/L		10/04/12 08:20	10/04/12 12:59	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 09:01	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:36	10/02/12 12:35	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092412-JV-707
Date Collected: 09/24/12 12:40
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11**		1.0	0.10	mg/L			09/26/12 16:18	1
Sulfate	**8.0**		1.0	0.12	mg/L			09/26/12 16:18	1
Ammonia (as N)	**0.27**		0.20	0.035	mg/L			10/02/12 15:30	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:41	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**270**		5.0	2.7	mg/L			09/29/12 15:37	1
Total Phosphorus as PO4	**0.084**	**J**	0.10	0.033	mg/L		10/04/12 08:21	10/04/12 12:59	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 09:09	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:38	10/02/12 12:36	1

General Chemistry

Client Sample ID: GW-52222-092412-JV-708
Date Collected: 09/24/12 14:00
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		1.0	0.10	mg/L			09/26/12 16:35	1
Sulfate	**2.3**		1.0	0.12	mg/L			09/26/12 16:35	1
Ammonia (as N)	**18**		2.0	0.35	mg/L			10/02/12 15:51	10
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:41	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**360**		5.0	2.7	mg/L			09/29/12 15:50	1
Total Phosphorus as PO4	**0.24**		0.10	0.033	mg/L		10/04/12 08:23	10/04/12 12:59	1
Biochemical Oxygen Demand	**7.9**		2.0	2.0	mg/L			09/26/12 09:19	1
Chemical Oxygen Demand	**24**		20	10	mg/L		10/02/12 08:40	10/02/12 12:37	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092412-JV-709
Date Collected: 09/24/12 15:15
Date Received: 09/25/12 08:15

Lab Sample ID: 240-15550-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		1.0	0.10	mg/L			09/26/12 16:51	1
Sulfate	1.0	U	1.0	0.12	mg/L			09/26/12 16:51	1
Ammonia (as N)	**29**		2.0	0.35	mg/L			10/02/12 14:23	10
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:42	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1
Alkalinity	**410**		5.0	2.7	mg/L			10/04/12 11:02	1
Total Phosphorus as PO4	**0.59**		0.10	0.033	mg/L		10/04/12 08:14	10/04/12 12:59	1
Biochemical Oxygen Demand	**10**		2.0	2.0	mg/L			09/26/12 09:27	1
Chemical Oxygen Demand	**39**		20	10	mg/L		10/02/12 08:42	10/02/12 12:38	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092512-JV-711
Date Collected: 09/25/12 09:05
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		5.0	0.50	mg/L			09/28/12 05:30	5
Sulfate	1.0	U	1.0	0.12	mg/L			09/28/12 15:29	1
Ammonia (as N)	**3.0**		0.20	0.035	mg/L			10/04/12 10:51	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:40	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:32	1
Alkalinity	**360**		5.0	2.7	mg/L			09/29/12 16:15	1
Total Phosphorus as PO4	**0.12**		0.10	0.033	mg/L		10/04/12 08:24	10/04/12 12:59	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 13:29	1
Chemical Oxygen Demand	**49**		20	10	mg/L		10/02/12 08:46	10/02/12 12:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		5.0	0.50	mg/L			09/28/12 05:50	5
Sulfate	**0.92**	**J**	1.0	0.12	mg/L			09/28/12 15:47	1
Ammonia (as N)	**0.69**		0.20	0.035	mg/L			10/04/12 11:02	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:44	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:36	1
Alkalinity	**440**		5.0	2.7	mg/L			09/29/12 16:32	1
Total Phosphorus as PO4	**0.077**	**J**	0.10	0.033	mg/L		10/04/12 08:25	10/04/12 13:02	1
Chemical Oxygen Demand	**57**		20	10	mg/L		10/02/12 08:47	10/02/12 12:41	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		10	1.0	mg/L			09/28/12 06:31	10
Sulfate	**2.6**		1.0	0.12	mg/L			09/28/12 16:04	1
Ammonia (as N)	**81**		4.0	0.70	mg/L			10/04/12 11:17	20
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:45	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:36	1
Alkalinity	**840**		5.0	2.7	mg/L			09/29/12 17:07	1
Total Phosphorus as PO4	**0.21**		0.10	0.033	mg/L		10/04/12 08:27	10/04/12 13:02	1
Chemical Oxygen Demand	**140**		20	10	mg/L		10/02/12 08:49	10/02/12 12:42	1

General Chemistry

Client Sample ID: GW-52222-092512-JV-714
Date Collected: 09/25/12 14:25
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**		20	2.0	mg/L			09/28/12 06:51	20
Sulfate	**140**		20	2.4	mg/L			09/28/12 06:51	20
Ammonia (as N)	**1.6**		0.20	0.035	mg/L			10/04/12 11:17	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:46	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:36	1
Alkalinity	**650**		5.0	2.7	mg/L			09/29/12 17:25	1
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:28	10/04/12 13:02	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 14:14	1
Chemical Oxygen Demand	**86**		20	10	mg/L		10/02/12 08:51	10/02/12 12:43	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: GW-52222-092512-JV-715
Date Collected: 09/25/12 15:30
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76**		5.0	0.50	mg/L			09/28/12 07:11	5
Sulfate	**12**		5.0	0.60	mg/L			09/28/12 07:11	5
Ammonia (as N)	**0.076**	**J**	0.20	0.035	mg/L			10/04/12 11:17	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:47	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:36	1
Alkalinity	**420**		5.0	2.7	mg/L			09/29/12 17:38	1
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:29	10/04/12 13:02	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 11:58	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:53	10/02/12 12:44	1

General Chemistry

Client Sample ID: GW-52222-092512-JV-716
Date Collected: 09/25/12 15:40
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76**		5.0	0.50	mg/L			09/28/12 07:31	5
Sulfate	**13**		5.0	0.60	mg/L			09/28/12 07:31	5
Ammonia (as N)	**0.075**	**J**	0.20	0.035	mg/L			10/04/12 12:53	1
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:50	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:37	1
Alkalinity	**420**		5.0	2.7	mg/L			10/02/12 12:52	1
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:31	10/04/12 13:02	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 12:05	1
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:58	10/02/12 12:47	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-718
Date Collected: 09/26/12 08:20
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	**370**		5.0	3.1	mg/L			10/05/12 12:00	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-719
Date Collected: 09/26/12 08:24
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.0	J	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	350		5.0	3.1	mg/L			10/05/12 12:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-720
Date Collected: 09/26/12 08:42
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	**370**		5.0	3.1	mg/L			10/05/12 12:20	1

General Chemistry

Client Sample ID: SW-52222-092612-JV-721
Date Collected: 09/26/12 09:10
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.0	J	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	380		5.0	3.1	mg/L			10/05/12 12:30	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-722
Date Collected: 09/26/12 09:26
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0		4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	370		5.0	3.1	mg/L			10/05/12 12:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry

Client Sample ID: SW-52222-092612-JV-723
Date Collected: 09/26/12 10:00
Date Received: 09/27/12 08:00

Lab Sample ID: 240-15668-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			09/28/12 11:39	1
Hardness as calcium carbonate	**350**		5.0	3.1	mg/L			10/05/12 12:50	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry - RA

Client Sample ID: GW-52222-092512-JV-712
Date Collected: 09/25/12 10:50
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U H	2.0	2.0	mg/L			10/03/12 08:44	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

General Chemistry - RA

Client Sample ID: GW-52222-092512-JV-713
Date Collected: 09/25/12 10:10
Date Received: 09/26/12 08:00

Lab Sample ID: 240-15580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U H	2.0	2.0	mg/L			10/03/12 08:49	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

GC/MS VOA

Analysis Batch: 59311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	8260B	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	8260B	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	8260B	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	8260B	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	8260B	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	8260B	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	8260B	
240-15550-6	TB-52222-092412-JV-710	Total/NA	Water	8260B	
LCS 240-59311/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-59311/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 59432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	8260B	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	8260B	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	8260B	
240-15580-7	TB-52222-092512-JV-717	Total/NA	Water	8260B	
LCS 240-59432/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-59432/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 59615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	8260B	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	8260B	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	8260B	
240-15580-3 MS	GW-52222-092512-JV-713	Total/NA	Water	8260B	
240-15580-3 MSD	GW-52222-092512-JV-713	Total/NA	Water	8260B	
LCS 240-59615/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-59615/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 59148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	7470A	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	7470A	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	7470A	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	7470A	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	7470A	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	7470A	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	7470A	
LCS 240-59148/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-59148/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 59160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	7470A	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	7470A	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	7470A	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	7470A	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	7470A	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 59160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-59160/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-59160/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 59257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total Recoverable	Water	3005A	
240-15550-2	GW-52222-092412-JV-706	Total Recoverable	Water	3005A	
240-15550-3	GW-52222-092412-JV-707	Total Recoverable	Water	3005A	
240-15550-4	GW-52222-092412-JV-708	Total Recoverable	Water	3005A	
LCS 240-59257/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-59257/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-59257/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 59366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	7470A	59148
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	7470A	59148
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	7470A	59148
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	7470A	59148
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	7470A	59148
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	7470A	59148
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	7470A	59148
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	7470A	59160
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	7470A	59160
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	7470A	59160
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	7470A	59160
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	7470A	59160
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	7470A	59160
LCS 240-59148/2-A	Lab Control Sample	Total/NA	Water	7470A	59148
LCS 240-59160/2-A	Lab Control Sample	Total/NA	Water	7470A	59160
MB 240-59148/1-A	Method Blank	Total/NA	Water	7470A	59148
MB 240-59160/1-A	Method Blank	Total/NA	Water	7470A	59160

Analysis Batch: 59547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total Recoverable	Water	6020	59257
240-15550-2	GW-52222-092412-JV-706	Total Recoverable	Water	6020	59257
240-15550-3	GW-52222-092412-JV-707	Total Recoverable	Water	6020	59257
240-15550-4	GW-52222-092412-JV-708	Total Recoverable	Water	6020	59257
LCS 240-59257/3-A	Lab Control Sample	Total Recoverable	Water	6020	59257
MB 240-59257/1-A	Method Blank	Total Recoverable	Water	6020	59257

Analysis Batch: 59761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total Recoverable	Water	6010B	59257
240-15550-2	GW-52222-092412-JV-706	Total Recoverable	Water	6010B	59257
240-15550-3	GW-52222-092412-JV-707	Total Recoverable	Water	6010B	59257
240-15550-4	GW-52222-092412-JV-708	Total Recoverable	Water	6010B	59257
LCS 240-59257/2-A	Lab Control Sample	Total Recoverable	Water	6010B	59257
MB 240-59257/1-A	Method Blank	Total Recoverable	Water	6010B	59257

Metals (Continued)

Prep Batch: 59940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15668-1	SW-52222-092612-JV-718	Total Recoverable	Water	3005A	
240-15668-2	SW-52222-092612-JV-719	Total Recoverable	Water	3005A	
240-15668-3	SW-52222-092612-JV-720	Total Recoverable	Water	3005A	
240-15668-4	SW-52222-092612-JV-721	Total Recoverable	Water	3005A	
240-15668-5	SW-52222-092612-JV-722	Total Recoverable	Water	3005A	
240-15668-6	SW-52222-092612-JV-723	Total Recoverable	Water	3005A	
LCS 240-59940/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-59940/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 60024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total Recoverable	Water	3005A	
240-15580-2	GW-52222-092512-JV-712	Total Recoverable	Water	3005A	
240-15580-3	GW-52222-092512-JV-713	Total Recoverable	Water	3005A	
240-15580-4	GW-52222-092512-JV-714	Total Recoverable	Water	3005A	
240-15580-5	GW-52222-092512-JV-715	Total Recoverable	Water	3005A	
240-15580-6	GW-52222-092512-JV-716	Total Recoverable	Water	3005A	
LCS 240-60024/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-60024/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 60094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total Recoverable	Water	6010B	59257
240-15550-2	GW-52222-092412-JV-706	Total Recoverable	Water	6010B	59257
240-15550-3	GW-52222-092412-JV-707	Total Recoverable	Water	6010B	59257
240-15550-4	GW-52222-092412-JV-708	Total Recoverable	Water	6010B	59257
LCS 240-59257/2-A	Lab Control Sample	Total Recoverable	Water	6010B	59257
MB 240-59257/1-A	Method Blank	Total Recoverable	Water	6010B	59257

Analysis Batch: 60265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total Recoverable	Water	6020	60024
240-15580-2	GW-52222-092512-JV-712	Total Recoverable	Water	6020	60024
240-15580-3	GW-52222-092512-JV-713	Total Recoverable	Water	6020	60024
240-15580-4	GW-52222-092512-JV-714	Total Recoverable	Water	6020	60024
240-15580-5	GW-52222-092512-JV-715	Total Recoverable	Water	6020	60024
240-15580-6	GW-52222-092512-JV-716	Total Recoverable	Water	6020	60024
LCS 240-60024/3-A	Lab Control Sample	Total Recoverable	Water	6020	60024
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6020	60024

Prep Batch: 60351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
240-15550-5 MS	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
240-15550-5 MS	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
240-15550-5 MSD	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
240-15550-5 MSD	GW-52222-092412-JV-709	Total Recoverable	Water	3005A	
LCS 240-60351/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-60351/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-60351/1-A	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Analysis Batch: 60419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-60024/3-A	Lab Control Sample	Total Recoverable	Water	6020	60024
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6020	60024

Analysis Batch: 60579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total Recoverable	Water	6010B	60024
240-15580-2	GW-52222-092512-JV-712	Total Recoverable	Water	6010B	60024
240-15580-3	GW-52222-092512-JV-713	Total Recoverable	Water	6010B	60024
240-15580-4	GW-52222-092512-JV-714	Total Recoverable	Water	6010B	60024
240-15580-5	GW-52222-092512-JV-715	Total Recoverable	Water	6010B	60024
240-15580-6	GW-52222-092512-JV-716	Total Recoverable	Water	6010B	60024
240-15668-1	SW-52222-092612-JV-718	Total Recoverable	Water	6010B	59940
240-15668-2	SW-52222-092612-JV-719	Total Recoverable	Water	6010B	59940
240-15668-3	SW-52222-092612-JV-720	Total Recoverable	Water	6010B	59940
240-15668-4	SW-52222-092612-JV-721	Total Recoverable	Water	6010B	59940
240-15668-5	SW-52222-092612-JV-722	Total Recoverable	Water	6010B	59940
240-15668-6	SW-52222-092612-JV-723	Total Recoverable	Water	6010B	59940
LCS 240-59940/2-A	Lab Control Sample	Total Recoverable	Water	6010B	59940
LCS 240-60024/2-A	Lab Control Sample	Total Recoverable	Water	6010B	60024
MB 240-59940/1-A	Method Blank	Total Recoverable	Water	6010B	59940
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6010B	60024

Analysis Batch: 60580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5	GW-52222-092412-JV-709	Total Recoverable	Water	6020	60351
240-15550-5 MS	GW-52222-092412-JV-709	Total Recoverable	Water	6020	60351
240-15550-5 MSD	GW-52222-092412-JV-709	Total Recoverable	Water	6020	60351
LCS 240-60024/3-A	Lab Control Sample	Total Recoverable	Water	6020	60024
LCS 240-60351/3-A	Lab Control Sample	Total Recoverable	Water	6020	60351
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6020	60024
MB 240-60351/1-A	Method Blank	Total Recoverable	Water	6020	60351

Analysis Batch: 60643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total Recoverable	Water	6010B	60024
240-15580-2	GW-52222-092512-JV-712	Total Recoverable	Water	6010B	60024
240-15580-3	GW-52222-092512-JV-713	Total Recoverable	Water	6010B	60024
240-15580-4	GW-52222-092512-JV-714	Total Recoverable	Water	6010B	60024
240-15580-5	GW-52222-092512-JV-715	Total Recoverable	Water	6010B	60024
240-15580-6	GW-52222-092512-JV-716	Total Recoverable	Water	6010B	60024
LCS 240-60024/2-A	Lab Control Sample	Total Recoverable	Water	6010B	60024
MB 240-60024/1-A	Method Blank	Total Recoverable	Water	6010B	60024

Analysis Batch: 60742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5	GW-52222-092412-JV-709	Total Recoverable	Water	6010B	60351
240-15550-5 MS	GW-52222-092412-JV-709	Total Recoverable	Water	6010B	60351
240-15550-5 MSD	GW-52222-092412-JV-709	Total Recoverable	Water	6010B	60351
LCS 240-60351/2-A	Lab Control Sample	Total Recoverable	Water	6010B	60351
MB 240-60351/1-A	Method Blank	Total Recoverable	Water	6010B	60351

General Chemistry

Analysis Batch: 59055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 5210B	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 5210B	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 5210B	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 5210B	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 5210B	
240-15550-5 DU	GW-52222-092412-JV-709	Total/NA	Water	SM 5210B	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 5210B	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 5210B	
LCS 240-59055/3	Lab Control Sample	Total/NA	Water	SM 5210B	
SCB 240-59055/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 240-59055/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 59159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	300.0	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	300.0	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	300.0	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	300.0	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	300.0	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	300.0	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	300.0	
LCS 240-59159/6	Lab Control Sample	Total/NA	Water	300.0	
MB 240-59159/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 59180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 5210B	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 5210B	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 5210B	
LCS 240-59180/3	Lab Control Sample	Total/NA	Water	SM 5210B	
SCB 240-59180/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 240-59180/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 59302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	300.0	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	300.0	
240-15580-2 MS	GW-52222-092512-JV-712	Total/NA	Water	300.0	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	300.0	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	300.0	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	300.0	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	300.0	
LCS 240-59302/28	Lab Control Sample	Total/NA	Water	300.0	
MB 240-59302/27	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 59466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15668-1	SW-52222-092612-JV-718	Total/NA	Water	160.2	
240-15668-1 DU	SW-52222-092612-JV-718	Total/NA	Water	160.2	
240-15668-2	SW-52222-092612-JV-719	Total/NA	Water	160.2	
240-15668-3	SW-52222-092612-JV-720	Total/NA	Water	160.2	
240-15668-4	SW-52222-092612-JV-721	Total/NA	Water	160.2	

General Chemistry (Continued)

Analysis Batch: 59466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15668-5	SW-52222-092612-JV-722	Total/NA	Water	160.2	
240-15668-6	SW-52222-092612-JV-723	Total/NA	Water	160.2	
LCS 240-59466/2	Lab Control Sample	Total/NA	Water	160.2	
MB 240-59466/1	Method Blank	Total/NA	Water	160.2	

Analysis Batch: 59472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	300.0	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	300.0	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	300.0	
LCS 240-59472/6	Lab Control Sample	Total/NA	Water	300.0	
MB 240-59472/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 59623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 2320B	
240-15550-1 MS	GW-52222-092412-JV-705	Total/NA	Water	SM 2320B	
240-15550-1 MSD	GW-52222-092412-JV-705	Total/NA	Water	SM 2320B	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 2320B	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 2320B	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 2320B	
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 2320B	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	SM 2320B	
240-15580-2 DU	GW-52222-092512-JV-712	Total/NA	Water	SM 2320B	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 2320B	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 2320B	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 2320B	
LCS 240-59623/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 240-59623/5	Method Blank	Total/NA	Water	SM 2320B	

Prep Batch: 59644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	Distill/Phenol	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	Distill/Phenol	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	Distill/Phenol	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	Distill/Phenol	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	Distill/Phenol	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	Distill/Phenol	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	Distill/Phenol	
LCS 240-59644/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 240-59644/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 59690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	420.1	59644
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	420.1	59644
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	420.1	59644
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	420.1	59644
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	420.1	59644
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	420.1	59644
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	420.1	59644
LCS 240-59644/2-A	Lab Control Sample	Total/NA	Water	420.1	59644

General Chemistry (Continued)

Analysis Batch: 59690 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-59644/1-A	Method Blank	Total/NA	Water	420.1	59644

Prep Batch: 59776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 5220	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 5220	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 5220	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 5220	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 5220	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	SM 5220	
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 5220	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	SM 5220	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 5220	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 5220	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 5220	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 5220	
LCS 240-59776/10-A	Lab Control Sample	Total/NA	Water	SM 5220	
MB 240-59776/9-A	Method Blank	Total/NA	Water	SM 5220	

Prep Batch: 59796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	9012A	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	9012A	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	9012A	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	9012A	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	9012A	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	9012A	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	9012A	
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	9012A	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	9012A	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	9012A	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	9012A	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	9012A	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	9012A	
LCS 240-59796/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-59796/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 59843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 5220D	59776
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 5220D	59776
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 5220D	59776
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 5220D	59776
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 5220D	59776
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	SM 5220D	59776
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 5220D	59776
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	SM 5220D	59776
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 5220D	59776
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 5220D	59776
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 5220D	59776
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 5220D	59776
LCS 240-59776/10-A	Lab Control Sample	Total/NA	Water	SM 5220D	59776

General Chemistry (Continued)

Analysis Batch: 59843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-59776/9-A	Method Blank	Total/NA	Water	SM 5220D	59776

Analysis Batch: 59880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	9012A	59796
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	9012A	59796
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	9012A	59796
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	9012A	59796
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	9012A	59796
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	9012A	59796
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	9012A	59796
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	9012A	59796
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	9012A	59796
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	9012A	59796
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	9012A	59796
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	9012A	59796
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	9012A	59796
LCS 240-59796/2-A	Lab Control Sample	Total/NA	Water	9012A	59796
MB 240-59796/1-A	Method Blank	Total/NA	Water	9012A	59796

Analysis Batch: 59888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	350.3	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	350.3	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	350.3	
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	350.3	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	350.3	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	350.3	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	350.3	
LCS 240-59888/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-59888/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 59938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 2320B	
240-15580-6 DU	GW-52222-092512-JV-716	Total/NA	Water	SM 2320B	
LCS 240-59938/7	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 240-59938/4	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 59997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-2 - RA	GW-52222-092512-JV-712	Total/NA	Water	SM 5210B	
240-15580-3 - RA	GW-52222-092512-JV-713	Total/NA	Water	SM 5210B	
LCS 240-59997/3	Lab Control Sample	Total/NA	Water	SM 5210B	
SCB 240-59997/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 240-59997/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Prep Batch: 60097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	365.2/365.3/365	
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	365.2/365.3/365	
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	365.2/365.3/365	

General Chemistry (Continued)

Prep Batch: 60097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	365.2/365.3/365	
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	365.2/365.3/365	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	365.2/365.3/365	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	365.2/365.3/365	
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	365.2/365.3/365	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	365.2/365.3/365	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	365.2/365.3/365	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	365.2/365.3/365	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	365.2/365.3/365	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	365.2/365.3/365	
LCS 240-60097/11-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MB 240-60097/10-A	Method Blank	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 60189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-1	GW-52222-092412-JV-705	Total/NA	Water	SM 4500 P E	60097
240-15550-2	GW-52222-092412-JV-706	Total/NA	Water	SM 4500 P E	60097
240-15550-3	GW-52222-092412-JV-707	Total/NA	Water	SM 4500 P E	60097
240-15550-4	GW-52222-092412-JV-708	Total/NA	Water	SM 4500 P E	60097
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 4500 P E	60097
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	SM 4500 P E	60097
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	SM 4500 P E	60097
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	SM 4500 P E	60097
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	SM 4500 P E	60097
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	SM 4500 P E	60097
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	SM 4500 P E	60097
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	SM 4500 P E	60097
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	SM 4500 P E	60097
LCS 240-60097/11-A	Lab Control Sample	Total/NA	Water	SM 4500 P E	60097
MB 240-60097/10-A	Method Blank	Total/NA	Water	SM 4500 P E	60097

Analysis Batch: 60228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	350.3	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	350.3	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	350.3	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	350.3	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	350.3	
240-15580-5 MS	GW-52222-092512-JV-715	Total/NA	Water	350.3	
240-15580-5 MSD	GW-52222-092512-JV-715	Total/NA	Water	350.3	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	350.3	
LCS 240-60228/8	Lab Control Sample	Total/NA	Water	350.3	
MB 240-60228/7	Method Blank	Total/NA	Water	350.3	

Analysis Batch: 60238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5	GW-52222-092412-JV-709	Total/NA	Water	SM 2320B	
240-15550-5 DU	GW-52222-092412-JV-709	Total/NA	Water	SM 2320B	
240-15550-5 MS	GW-52222-092412-JV-709	Total/NA	Water	SM 2320B	
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	SM 2320B	
LCS 240-60238/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 240-60238/3	Method Blank	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 60300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15668-1	SW-52222-092612-JV-718	Total/NA	Water	SM 2340C	
240-15668-2	SW-52222-092612-JV-719	Total/NA	Water	SM 2340C	
240-15668-3	SW-52222-092612-JV-720	Total/NA	Water	SM 2340C	
240-15668-4	SW-52222-092612-JV-721	Total/NA	Water	SM 2340C	
240-15668-5	SW-52222-092612-JV-722	Total/NA	Water	SM 2340C	
240-15668-6	SW-52222-092612-JV-723	Total/NA	Water	SM 2340C	
LCS 240-60300/8	Lab Control Sample	Total/NA	Water	SM 2340C	
MB 240-60300/4	Method Blank	Total/NA	Water	SM 2340C	

Prep Batch: 60465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	Distill/Phenol	
240-15580-1 MS	GW-52222-092512-JV-711	Total/NA	Water	Distill/Phenol	
240-15580-1 MSD	GW-52222-092512-JV-711	Total/NA	Water	Distill/Phenol	
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	Distill/Phenol	
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	Distill/Phenol	
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	Distill/Phenol	
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	Distill/Phenol	
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	Distill/Phenol	
LCS 240-60465/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 240-60465/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 60468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15580-1	GW-52222-092512-JV-711	Total/NA	Water	420.1	60465
240-15580-1 MS	GW-52222-092512-JV-711	Total/NA	Water	420.1	60465
240-15580-1 MSD	GW-52222-092512-JV-711	Total/NA	Water	420.1	60465
240-15580-2	GW-52222-092512-JV-712	Total/NA	Water	420.1	60465
240-15580-3	GW-52222-092512-JV-713	Total/NA	Water	420.1	60465
240-15580-4	GW-52222-092512-JV-714	Total/NA	Water	420.1	60465
240-15580-5	GW-52222-092512-JV-715	Total/NA	Water	420.1	60465
240-15580-6	GW-52222-092512-JV-716	Total/NA	Water	420.1	60465
LCS 240-60465/2-A	Lab Control Sample	Total/NA	Water	420.1	60465
MB 240-60465/1-A	Method Blank	Total/NA	Water	420.1	60465

Prep Batch: 60517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	SM 5220	

Analysis Batch: 60543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15550-5 MSD	GW-52222-092412-JV-709	Total/NA	Water	SM 5220D	60517

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

Lab Sample ID: MB 240-59311/5
Matrix: Water
Analysis Batch: 59311

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/27/12 14:23	1
Benzene	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/27/12 14:23	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/27/12 14:23	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/27/12 14:23	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/27/12 14:23	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/27/12 14:23	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/27/12 14:23	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/27/12 14:23	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/27/12 14:23	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/27/12 14:23	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 14:23	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 14:23	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/27/12 14:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/27/12 14:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/27/12 14:23	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/27/12 14:23	1
2-Hexanone	10	U	10	0.41	ug/L			09/27/12 14:23	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/27/12 14:23	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/27/12 14:23	1
Styrene	1.0	U	1.0	0.11	ug/L			09/27/12 14:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/27/12 14:23	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/27/12 14:23	1
Toluene	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 14:23	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/27/12 14:23	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/27/12 14:23	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/12 14:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/27/12 14:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/27/12 14:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/27/12 14:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/27/12 14:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/27/12 14:23	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/27/12 14:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*63 - 129*		*09/27/12 14:23*	*1*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*		*09/27/12 14:23*	*1*
Toluene-d8 (Surr)	*96*		*74 - 115*		*09/27/12 14:23*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 121*		*09/27/12 14:23*	*1*

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

Lab Sample ID: LCS 240-59311/4
Matrix: Water
Analysis Batch: 59311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.4		ug/L		92	43 - 136
Benzene	10.0	8.85		ug/L		88	83 - 112
Bromodichloromethane	10.0	8.80		ug/L		88	72 - 121
Bromoform	10.0	9.50		ug/L		95	40 - 131
Bromomethane	10.0	7.73		ug/L		77	11 - 185
2-Butanone (MEK)	20.0	18.7		ug/L		94	60 - 126
Carbon disulfide	10.0	8.11		ug/L		81	62 - 142
Carbon tetrachloride	10.0	8.78		ug/L		88	66 - 128
Chlorobenzene	10.0	9.76		ug/L		98	85 - 110
Chloroethane	10.0	7.31		ug/L		73	25 - 153
Chloroform	10.0	8.57		ug/L		86	79 - 117
Chloromethane	10.0	7.49		ug/L		75	44 - 126
1,1-Dichloroethane	10.0	8.80		ug/L		88	82 - 115
1,2-Dichloroethane	10.0	8.53		ug/L		85	71 - 127
1,1-Dichloroethene	10.0	8.91		ug/L		89	78 - 131
1,2-Dichloropropane	10.0	9.24		ug/L		92	81 - 115
cis-1,3-Dichloropropene	10.0	7.86		ug/L		79	61 - 115
trans-1,3-Dichloropropene	10.0	8.99		ug/L		90	58 - 117
Ethylbenzene	10.0	10.0		ug/L		100	83 - 112
2-Hexanone	20.0	24.0		ug/L		120	55 - 133
Methylene Chloride	10.0	8.89		ug/L		89	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.0		ug/L		95	63 - 128
Styrene	10.0	10.6		ug/L		106	79 - 114
1,1,2,2-Tetrachloroethane	10.0	11.0		ug/L		110	68 - 118
Tetrachloroethene	10.0	9.19		ug/L		92	79 - 114
Toluene	10.0	9.75		ug/L		98	84 - 111
Trichloroethene	10.0	8.90		ug/L		89	76 - 117
Vinyl chloride	10.0	7.81		ug/L		78	53 - 127
1,1,1-Trichloroethane	10.0	8.58		ug/L		86	74 - 118
1,1,2-Trichloroethane	10.0	10.2		ug/L		102	80 - 112
cis-1,2-Dichloroethene	10.0	8.86		ug/L		89	80 - 113
trans-1,2-Dichloroethene	10.0	8.79		ug/L		88	83 - 117
1,2-Dichlorobenzene	10.0	10.1		ug/L		101	81 - 110
1,3-Dichlorobenzene	10.0	10.1		ug/L		101	80 - 110
1,4-Dichlorobenzene	10.0	9.94		ug/L		99	82 - 110
Dibromochloromethane	10.0	9.60		ug/L		96	64 - 119
m-Xylene & p-Xylene	20.0	21.1		ug/L		105	83 - 113
o-Xylene	10.0	10.2		ug/L		102	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 129*
4-Bromofluorobenzene (Surr)	*104*		*66 - 117*
Toluene-d8 (Surr)	*99*		*74 - 115*
Dibromofluoromethane (Surr)	*88*		*75 - 121*

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

Lab Sample ID: 240-15550-5 MS
Matrix: Water
Analysis Batch: 59311

Client Sample ID: GW-52222-092412-JV-709
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	20.0	14.1		ug/L		71	33 - 145
Benzene	0.29	J	10.0	8.96		ug/L		87	72 - 121
Bromodichloromethane	1.0	U	10.0	8.36		ug/L		84	67 - 120
Bromoform	1.0	U	10.0	8.24		ug/L		82	32 - 128
Bromomethane	1.0	U	10.0	6.09		ug/L		61	10 - 186
2-Butanone (MEK)	10	U	20.0	17.1		ug/L		85	54 - 129
Carbon disulfide	1.0	U	10.0	7.93		ug/L		79	57 - 147
Carbon tetrachloride	1.0	U	10.0	8.37		ug/L		84	59 - 129
Chlorobenzene	2.6		10.0	12.0		ug/L		94	80 - 110
Chloroethane	1.0	U	10.0	6.77		ug/L		68	21 - 165
Chloroform	1.0	U	10.0	8.22		ug/L		82	76 - 118
Chloromethane	1.0	U	10.0	5.87		ug/L		59	33 - 132
1,1-Dichloroethane	1.0	U	10.0	8.68		ug/L		87	79 - 116
1,2-Dichloroethane	1.0	U	10.0	8.19		ug/L		82	68 - 129
1,1-Dichloroethene	1.0	U	10.0	8.69		ug/L		87	74 - 135
1,2-Dichloropropane	1.0	U	10.0	9.01		ug/L		90	78 - 115
cis-1,3-Dichloropropene	1.0	U	10.0	6.79		ug/L		68	51 - 110
trans-1,3-Dichloropropene	1.0	U	10.0	7.56		ug/L		76	46 - 116
Ethylbenzene	1.0	U	10.0	9.78		ug/L		98	75 - 116
2-Hexanone	10	U	20.0	21.8		ug/L		109	47 - 139
Methylene Chloride	1.0	U	10.0	8.14		ug/L		81	63 - 128
4-Methyl-2-pentanone (MIBK)	10	U	20.0	18.2		ug/L		91	56 - 131
Styrene	1.0	U	10.0	10.2		ug/L		102	71 - 117
1,1,2,2-Tetrachloroethane	1.0	U	10.0	9.92		ug/L		99	63 - 122
Tetrachloroethene	1.0	U	10.0	9.10		ug/L		91	70 - 117
Toluene	1.0	U	10.0	9.61		ug/L		96	78 - 114
Trichloroethene	1.0	U	10.0	8.74		ug/L		87	66 - 120
Vinyl chloride	1.0	U	10.0	7.43		ug/L		74	49 - 130
1,1,1-Trichloroethane	1.0	U	10.0	8.23		ug/L		82	68 - 121
1,1,2-Trichloroethane	1.0	U	10.0	9.87		ug/L		99	75 - 115
cis-1,2-Dichloroethene	1.0	U	10.0	8.78		ug/L		88	70 - 120
trans-1,2-Dichloroethene	1.0	U	10.0	8.77		ug/L		88	80 - 119
1,2-Dichlorobenzene	0.21	J	10.0	9.66		ug/L		94	75 - 111
1,3-Dichlorobenzene	1.0	U	10.0	9.68		ug/L		97	73 - 110
1,4-Dichlorobenzene	2.8		10.0	12.0		ug/L		91	75 - 110
Dibromochloromethane	1.0	U	10.0	8.71		ug/L		87	56 - 118
m-Xylene & p-Xylene	2.0		20.0	20.4		ug/L		102	75 - 117
o-Xylene	1.0		10.0	9.91		ug/L		99	76 - 116

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*83*		*63 - 129*
4-Bromofluorobenzene (Surr)	*99*		*66 - 117*
Toluene-d8 (Surr)	*98*		*74 - 115*
Dibromofluoromethane (Surr)	*88*		*75 - 121*

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

Lab Sample ID: 240-15550-5 MSD
Matrix: Water
Analysis Batch: 59311

Client Sample ID: GW-52222-092412-JV-709
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10	U	20.0	15.4		ug/L		77	33 - 145	8	30
Benzene	0.29	J	10.0	9.87		ug/L		96	72 - 121	10	30
Bromodichloromethane	1.0	U	10.0	9.36		ug/L		94	67 - 120	11	30
Bromoform	1.0	U	10.0	9.08		ug/L		91	32 - 128	10	30
Bromomethane	1.0	U	10.0	5.93		ug/L		59	10 - 186	3	30
2-Butanone (MEK)	10	U	20.0	18.3		ug/L		92	54 - 129	7	30
Carbon disulfide	1.0	U	10.0	8.90		ug/L		89	57 - 147	11	30
Carbon tetrachloride	1.0	U	10.0	9.29		ug/L		93	59 - 129	10	30
Chlorobenzene	2.6		10.0	13.3		ug/L		107	80 - 110	10	30
Chloroethane	1.0	U	10.0	6.05		ug/L		61	21 - 165	11	30
Chloroform	1.0	U	10.0	9.08		ug/L		91	76 - 118	10	30
Chloromethane	1.0	U	10.0	5.74		ug/L		57	33 - 132	2	30
1,1-Dichloroethane	1.0	U	10.0	9.48		ug/L		95	79 - 116	9	30
1,2-Dichloroethane	1.0	U	10.0	9.05		ug/L		90	68 - 129	10	30
1,1-Dichloroethene	1.0	U	10.0	9.53		ug/L		95	74 - 135	9	30
1,2-Dichloropropane	1.0	U	10.0	9.92		ug/L		99	78 - 115	10	30
cis-1,3-Dichloropropene	1.0	U	10.0	7.66		ug/L		77	51 - 110	12	30
trans-1,3-Dichloropropene	1.0	U	10.0	8.63		ug/L		86	46 - 116	13	30
Ethylbenzene	1.0	U	10.0	10.9		ug/L		109	75 - 116	11	30
2-Hexanone	10	U	20.0	23.8		ug/L		119	47 - 139	9	30
Methylene Chloride	1.0	U	10.0	9.00		ug/L		90	63 - 128	10	30
4-Methyl-2-pentanone (MIBK)	10	U	20.0	19.7		ug/L		99	56 - 131	8	30
Styrene	1.0	U	10.0	11.3		ug/L		113	71 - 117	10	30
1,1,2,2-Tetrachloroethane	1.0	U	10.0	11.1		ug/L		111	63 - 122	11	30
Tetrachloroethene	1.0	U	10.0	10.3		ug/L		103	70 - 117	12	30
Toluene	1.0	U	10.0	10.6		ug/L		106	78 - 114	10	30
Trichloroethene	1.0	U	10.0	9.53		ug/L		95	66 - 120	9	30
Vinyl chloride	1.0	U	10.0	7.88		ug/L		79	49 - 130	6	30
1,1,1-Trichloroethane	1.0	U	10.0	9.12		ug/L		91	68 - 121	10	30
1,1,2-Trichloroethane	1.0	U	10.0	11.0		ug/L		110	75 - 115	11	30
cis-1,2-Dichloroethene	1.0	U	10.0	9.64		ug/L		96	70 - 120	9	30
trans-1,2-Dichloroethene	1.0	U	10.0	9.57		ug/L		96	80 - 119	9	30
1,2-Dichlorobenzene	0.21	J	10.0	10.9		ug/L		107	75 - 111	13	30
1,3-Dichlorobenzene	1.0	U	10.0	10.7		ug/L		107	73 - 110	10	30
1,4-Dichlorobenzene	2.8		10.0	13.5		ug/L		107	75 - 110	12	30
Dibromochloromethane	1.0	U	10.0	10.0		ug/L		100	56 - 118	14	30
m-Xylene & p-Xylene	2.0		20.0	22.7		ug/L		114	75 - 117	11	30
o-Xylene	1.0		10.0	11.0		ug/L		110	76 - 116	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 129*
4-Bromofluorobenzene (Surr)	*111*		*66 - 117*
Toluene-d8 (Surr)	*111*		*74 - 115*
Dibromofluoromethane (Surr)	*95*		*75 - 121*

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

Lab Sample ID: MB 240-59432/5
Matrix: Water
Analysis Batch: 59432

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/28/12 12:08	1
Benzene	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			09/28/12 12:08	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/28/12 12:08	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/28/12 12:08	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/28/12 12:08	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/28/12 12:08	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/28/12 12:08	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/28/12 12:08	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/28/12 12:08	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/28/12 12:08	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 12:08	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 12:08	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/28/12 12:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/28/12 12:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/28/12 12:08	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/28/12 12:08	1
2-Hexanone	10	U	10	0.41	ug/L			09/28/12 12:08	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/28/12 12:08	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/28/12 12:08	1
Styrene	1.0	U	1.0	0.11	ug/L			09/28/12 12:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/28/12 12:08	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/28/12 12:08	1
Toluene	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 12:08	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/28/12 12:08	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			09/28/12 12:08	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/12 12:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/28/12 12:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/28/12 12:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/28/12 12:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/28/12 12:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/28/12 12:08	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			09/28/12 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*09/28/12 12:08*	*1*
4-Bromofluorobenzene (Surr)	*86*		*66 - 117*		*09/28/12 12:08*	*1*
Toluene-d8 (Surr)	*89*		*74 - 115*		*09/28/12 12:08*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*09/28/12 12:08*	*1*

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

Lab Sample ID: LCS 240-59432/4
Matrix: Water
Analysis Batch: 59432

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.4		ug/L		87	43 - 136
Benzene	10.0	9.65		ug/L		97	83 - 112
Bromodichloromethane	10.0	9.46		ug/L		95	72 - 121
Bromoform	10.0	8.19		ug/L		82	40 - 131
Bromomethane	10.0	5.61		ug/L		56	11 - 185
2-Butanone (MEK)	20.0	17.7		ug/L		89	60 - 126
Carbon disulfide	10.0	9.39		ug/L		94	62 - 142
Carbon tetrachloride	10.0	9.72		ug/L		97	66 - 128
Chlorobenzene	10.0	9.42		ug/L		94	85 - 110
Chloroethane	10.0	5.83		ug/L		58	25 - 153
Chloroform	10.0	9.13		ug/L		91	79 - 117
Chloromethane	10.0	8.57		ug/L		86	44 - 126
1,1-Dichloroethane	10.0	9.79		ug/L		98	82 - 115
1,2-Dichloroethane	10.0	9.19		ug/L		92	71 - 127
1,1-Dichloroethene	10.0	9.83		ug/L		98	78 - 131
1,2-Dichloropropane	10.0	9.64		ug/L		96	81 - 115
cis-1,3-Dichloropropene	10.0	9.00		ug/L		90	61 - 115
trans-1,3-Dichloropropene	10.0	9.03		ug/L		90	58 - 117
Ethylbenzene	10.0	9.63		ug/L		96	83 - 112
2-Hexanone	20.0	17.8		ug/L		89	55 - 133
Methylene Chloride	10.0	9.93		ug/L		99	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	17.5		ug/L		87	63 - 128
Styrene	10.0	9.79		ug/L		98	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.21		ug/L		92	68 - 118
Tetrachloroethene	10.0	8.93		ug/L		89	79 - 114
Toluene	10.0	8.96		ug/L		90	84 - 111
Trichloroethene	10.0	9.19		ug/L		92	76 - 117
Vinyl chloride	10.0	7.77		ug/L		78	53 - 127
1,1,1-Trichloroethane	10.0	9.70		ug/L		97	74 - 118
1,1,2-Trichloroethane	10.0	9.35		ug/L		93	80 - 112
cis-1,2-Dichloroethene	10.0	9.34		ug/L		93	80 - 113
trans-1,2-Dichloroethene	10.0	9.40		ug/L		94	83 - 117
1,2-Dichlorobenzene	10.0	8.89		ug/L		89	81 - 110
1,3-Dichlorobenzene	10.0	9.33		ug/L		93	80 - 110
1,4-Dichlorobenzene	10.0	8.99		ug/L		90	82 - 110
Dibromochloromethane	10.0	9.09		ug/L		91	64 - 119
m-Xylene & p-Xylene	20.0	19.1		ug/L		95	83 - 113
o-Xylene	10.0	9.70		ug/L		97	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*
Toluene-d8 (Surr)	*94*		*74 - 115*
Dibromofluoromethane (Surr)	*92*		*75 - 121*

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

Lab Sample ID: MB 240-59615/5
Matrix: Water
Analysis Batch: 59615

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			10/01/12 11:24	1
Benzene	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Bromodichloromethane	1.0	U	1.0	0.15	ug/L			10/01/12 11:24	1
Bromoform	1.0	U	1.0	0.64	ug/L			10/01/12 11:24	1
Bromomethane	1.0	U	1.0	0.41	ug/L			10/01/12 11:24	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			10/01/12 11:24	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			10/01/12 11:24	1
Chloroethane	1.0	U	1.0	0.29	ug/L			10/01/12 11:24	1
Chloroform	1.0	U	1.0	0.16	ug/L			10/01/12 11:24	1
Chloromethane	1.0	U	1.0	0.30	ug/L			10/01/12 11:24	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			10/01/12 11:24	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			10/01/12 11:24	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/01/12 11:24	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			10/01/12 11:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			10/01/12 11:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			10/01/12 11:24	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			10/01/12 11:24	1
2-Hexanone	10	U	10	0.41	ug/L			10/01/12 11:24	1
Methylene Chloride	0.638	J	1.0	0.33	ug/L			10/01/12 11:24	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			10/01/12 11:24	1
Styrene	1.0	U	1.0	0.11	ug/L			10/01/12 11:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			10/01/12 11:24	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			10/01/12 11:24	1
Toluene	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			10/01/12 11:24	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			10/01/12 11:24	1
Xylenes, Total	1.0	U	1.0	0.28	ug/L			10/01/12 11:24	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			10/01/12 11:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			10/01/12 11:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			10/01/12 11:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			10/01/12 11:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			10/01/12 11:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			10/01/12 11:24	1
Dibromochloromethane	1.0	U	1.0	0.18	ug/L			10/01/12 11:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*10/01/12 11:24*	*1*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*		*10/01/12 11:24*	*1*
Toluene-d8 (Surr)	*91*		*74 - 115*		*10/01/12 11:24*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 121*		*10/01/12 11:24*	*1*

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

Lab Sample ID: LCS 240-59615/4
Matrix: Water
Analysis Batch: 59615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.3		ug/L		92	43 - 136
Benzene	10.0	10.3		ug/L		103	83 - 112
Bromodichloromethane	10.0	10.2		ug/L		102	72 - 121
Bromoform	10.0	8.64		ug/L		86	40 - 131
Bromomethane	10.0	6.86		ug/L		69	11 - 185
2-Butanone (MEK)	20.0	18.8		ug/L		94	60 - 126
Carbon disulfide	10.0	9.67		ug/L		97	62 - 142
Carbon tetrachloride	10.0	9.91		ug/L		99	66 - 128
Chlorobenzene	10.0	9.96		ug/L		100	85 - 110
Chloroethane	10.0	6.83		ug/L		68	25 - 153
Chloroform	10.0	9.88		ug/L		99	79 - 117
Chloromethane	10.0	9.12		ug/L		91	44 - 126
1,1-Dichloroethane	10.0	10.4		ug/L		104	82 - 115
1,2-Dichloroethane	10.0	9.74		ug/L		97	71 - 127
1,1-Dichloroethene	10.0	10.1		ug/L		101	78 - 131
1,2-Dichloropropane	10.0	10.5		ug/L		105	81 - 115
cis-1,3-Dichloropropene	10.0	10.0		ug/L		100	61 - 115
trans-1,3-Dichloropropene	10.0	9.73		ug/L		97	58 - 117
Ethylbenzene	10.0	9.89		ug/L		99	83 - 112
2-Hexanone	20.0	18.7		ug/L		93	55 - 133
Methylene Chloride	10.0	11.0		ug/L		110	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.0		ug/L		95	63 - 128
Styrene	10.0	10.3		ug/L		103	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.52		ug/L		95	68 - 118
Tetrachloroethene	10.0	8.92		ug/L		89	79 - 114
Toluene	10.0	9.37		ug/L		94	84 - 111
Trichloroethene	10.0	9.61		ug/L		96	76 - 117
Vinyl chloride	10.0	8.28		ug/L		83	53 - 127
1,1,1-Trichloroethane	10.0	9.87		ug/L		99	74 - 118
1,1,2-Trichloroethane	10.0	9.83		ug/L		98	80 - 112
cis-1,2-Dichloroethene	10.0	9.96		ug/L		100	80 - 113
trans-1,2-Dichloroethene	10.0	9.71		ug/L		97	83 - 117
1,2-Dichlorobenzene	10.0	9.57		ug/L		96	81 - 110
1,3-Dichlorobenzene	10.0	9.97		ug/L		100	80 - 110
1,4-Dichlorobenzene	10.0	9.46		ug/L		95	82 - 110
Dibromochloromethane	10.0	9.51		ug/L		95	64 - 119
m-Xylene & p-Xylene	20.0	20.2		ug/L		101	83 - 113
o-Xylene	10.0	10.4		ug/L		104	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 129*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*
Toluene-d8 (Surr)	*92*		*74 - 115*
Dibromofluoromethane (Surr)	*92*		*75 - 121*

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

Lab Sample ID: 240-15580-3 MS
Matrix: Water
Analysis Batch: 59615

Client Sample ID: GW-52222-092512-JV-713
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	U	500	478		ug/L		96	33 - 145
Benzene	600		250	882		ug/L		111	72 - 121
Bromodichloromethane	25	U	250	262		ug/L		105	67 - 120
Bromoform	25	U	250	210		ug/L		84	32 - 128
Bromomethane	25	U	250	124		ug/L		50	10 - 186
2-Butanone (MEK)	250	U	500	455		ug/L		91	54 - 129
Carbon disulfide	25	U	250	241		ug/L		96	57 - 147
Carbon tetrachloride	25	U	250	241		ug/L		96	59 - 129
Chlorobenzene	180		250	420		ug/L		96	80 - 110
Chloroethane	25	U	250	140		ug/L		56	21 - 165
Chloroform	25	U	250	252		ug/L		101	76 - 118
Chloromethane	25	U	250	207		ug/L		83	33 - 132
1,1-Dichloroethane	25	U	250	265		ug/L		106	79 - 116
1,2-Dichloroethane	25	U	250	271		ug/L		108	68 - 129
1,1-Dichloroethene	25	U	250	243		ug/L		97	74 - 135
1,2-Dichloropropane	25	U	250	264		ug/L		106	78 - 115
cis-1,3-Dichloropropene	25	U	250	240		ug/L		96	51 - 110
trans-1,3-Dichloropropene	25	U	250	226		ug/L		90	46 - 116
Ethylbenzene	25	U	250	238		ug/L		95	75 - 116
2-Hexanone	250	U	500	441		ug/L		88	47 - 139
Methylene Chloride	25	U	250	268		ug/L		107	63 - 128
4-Methyl-2-pentanone (MIBK)	250	U	500	477		ug/L		95	56 - 131
Styrene	25	U	250	252		ug/L		101	71 - 117
1,1,2,2-Tetrachloroethane	25	U	250	234		ug/L		93	63 - 122
Tetrachloroethene	25	U	250	212		ug/L		85	70 - 117
Toluene	25	U	250	231		ug/L		92	78 - 114
Trichloroethene	25	U	250	243		ug/L		97	66 - 120
Vinyl chloride	25	U	250	199		ug/L		80	49 - 130
1,1,1-Trichloroethane	25	U	250	250		ug/L		100	68 - 121
1,1,2-Trichloroethane	25	U	250	242		ug/L		97	75 - 115
cis-1,2-Dichloroethene	25	U	250	257		ug/L		103	70 - 120
trans-1,2-Dichloroethene	25	U	250	250		ug/L		100	80 - 119
1,2-Dichlorobenzene	25	U	250	233		ug/L		93	75 - 111
1,3-Dichlorobenzene	25	U	250	236		ug/L		94	73 - 110
1,4-Dichlorobenzene	25	U	250	233		ug/L		93	75 - 110
Dibromochloromethane	25	U	250	225		ug/L		90	56 - 118
m-Xylene & p-Xylene	16		500	511		ug/L		99	75 - 117
o-Xylene	25		250	250		ug/L		100	76 - 116

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*
Toluene-d8 (Surr)	*92*		*74 - 115*
Dibromofluoromethane (Surr)	*95*		*75 - 121*

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

Lab Sample ID: 240-15580-3 MSD
Matrix: Water
Analysis Batch: 59615

Client Sample ID: GW-52222-092512-JV-713
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	U	500	456		ug/L		91	33 - 145	5	30
Benzene	600		250	875		ug/L		108	72 - 121	1	30
Bromodichloromethane	25	U	250	255		ug/L		102	67 - 120	3	30
Bromoform	25	U	250	200		ug/L		80	32 - 128	5	30
Bromomethane	25	U	250	147		ug/L		59	10 - 186	17	30
2-Butanone (MEK)	250	U	500	457		ug/L		91	54 - 129	0	30
Carbon disulfide	25	U	250	237		ug/L		95	57 - 147	2	30
Carbon tetrachloride	25	U	250	237		ug/L		95	59 - 129	2	30
Chlorobenzene	180		250	413		ug/L		93	80 - 110	2	30
Chloroethane	25	U	250	146		ug/L		58	21 - 165	4	30
Chloroform	25	U	250	248		ug/L		99	76 - 118	1	30
Chloromethane	25	U	250	222		ug/L		89	33 - 132	7	30
1,1-Dichloroethane	25	U	250	264		ug/L		106	79 - 116	0	30
1,2-Dichloroethane	25	U	250	265		ug/L		106	68 - 129	2	30
1,1-Dichloroethene	25	U	250	238		ug/L		95	74 - 135	2	30
1,2-Dichloropropane	25	U	250	264		ug/L		106	78 - 115	0	30
cis-1,3-Dichloropropene	25	U	250	240		ug/L		96	51 - 110	0	30
trans-1,3-Dichloropropene	25	U	250	228		ug/L		91	46 - 116	1	30
Ethylbenzene	25	U	250	242		ug/L		97	75 - 116	2	30
2-Hexanone	250	U	500	443		ug/L		89	47 - 139	0	30
Methylene Chloride	25	U	250	255		ug/L		102	63 - 128	5	30
4-Methyl-2-pentanone (MIBK)	250	U	500	471		ug/L		94	56 - 131	1	30
Styrene	25	U	250	250		ug/L		100	71 - 117	1	30
1,1,2,2-Tetrachloroethane	25	U	250	237		ug/L		95	63 - 122	2	30
Tetrachloroethene	25	U	250	214		ug/L		85	70 - 117	1	30
Toluene	25	U	250	229		ug/L		92	78 - 114	1	30
Trichloroethene	25	U	250	247		ug/L		99	66 - 120	2	30
Vinyl chloride	25	U	250	205		ug/L		82	49 - 130	3	30
1,1,1-Trichloroethane	25	U	250	248		ug/L		99	68 - 121	1	30
1,1,2-Trichloroethane	25	U	250	233		ug/L		93	75 - 115	4	30
cis-1,2-Dichloroethene	25	U	250	255		ug/L		102	70 - 120	1	30
trans-1,2-Dichloroethene	25	U	250	248		ug/L		99	80 - 119	0	30
1,2-Dichlorobenzene	25	U	250	236		ug/L		94	75 - 111	1	30
1,3-Dichlorobenzene	25	U	250	245		ug/L		98	73 - 110	4	30
1,4-Dichlorobenzene	25	U	250	233		ug/L		93	75 - 110	0	30
Dibromochloromethane	25	U	250	230		ug/L		92	56 - 118	2	30
m-Xylene & p-Xylene	16		500	512		ug/L		99	75 - 117	0	30
o-Xylene	25		250	252		ug/L		101	76 - 116	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 129*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*
Toluene-d8 (Surr)	*90*		*74 - 115*
Dibromofluoromethane (Surr)	*95*		*75 - 121*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-59257/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 59761 — **Prep Batch: 59257**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1000	U	1000	590	ug/L		09/27/12 09:51	10/01/12 18:24	1

Lab Sample ID: MB 240-59257/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60094 — **Prep Batch: 59257**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		09/27/12 09:51	10/03/12 18:15	1
Barium	0.866	J	100	0.67	ug/L		09/27/12 09:51	10/03/12 18:15	1
Beryllium	1.0	U	1.0	0.46	ug/L		09/27/12 09:51	10/03/12 18:15	1
Calcium	264	J	5000	130	ug/L		09/27/12 09:51	10/03/12 18:15	1
Cobalt	7.0	U	7.0	1.7	ug/L		09/27/12 09:51	10/03/12 18:15	1
Chromium	5.0	U	5.0	2.2	ug/L		09/27/12 09:51	10/03/12 18:15	1
Iron	100	U	100	81	ug/L		09/27/12 09:51	10/03/12 18:15	1
Potassium	1000	U	1000	72	ug/L		09/27/12 09:51	10/03/12 18:15	1
Magnesium	1000	U	1000	34	ug/L		09/27/12 09:51	10/03/12 18:15	1
Manganese	2.29	J	15	0.41	ug/L		09/27/12 09:51	10/03/12 18:15	1
Sodium	1000	U	1000	590	ug/L		09/27/12 09:51	10/03/12 18:15	1
Nickel	20	U	20	3.2	ug/L		09/27/12 09:51	10/03/12 18:15	1
Lead	3.0	U	3.0	1.9	ug/L		09/27/12 09:51	10/03/12 18:15	1
Selenium	5.0	U	5.0	4.1	ug/L		09/27/12 09:51	10/03/12 18:15	1
Vanadium	4.0	U	4.0	0.64	ug/L		09/27/12 09:51	10/03/12 18:15	1

Lab Sample ID: LCS 240-59257/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 59761 — **Prep Batch: 59257**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	50000	49500		ug/L		99	80 - 120

Lab Sample ID: LCS 240-59257/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60094 — **Prep Batch: 59257**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	1790		ug/L		90	80 - 120
Barium	2000	1790		ug/L		89	80 - 120
Beryllium	50.0	45.9		ug/L		92	80 - 120
Calcium	50000	47700		ug/L		95	80 - 120
Cobalt	500	438		ug/L		88	80 - 120
Chromium	200	178		ug/L		89	80 - 120
Iron	1000	919		ug/L		92	80 - 120
Potassium	50000	46400		ug/L		93	80 - 120
Magnesium	50000	47200		ug/L		94	80 - 120
Manganese	500	461		ug/L		92	80 - 120
Sodium	50000	46600		ug/L		93	80 - 120
Nickel	500	438		ug/L		88	80 - 120
Lead	500	436		ug/L		87	80 - 120
Selenium	2000	1890		ug/L		94	80 - 120
Vanadium	500	458		ug/L		92	80 - 120

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

Lab Sample ID: MB 240-59940/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 59940**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	5000	U	5000	130	ug/L		10/03/12 09:03	10/08/12 18:26	1
Magnesium	130	J	1000	34	ug/L		10/03/12 09:03	10/08/12 18:26	1

Lab Sample ID: LCS 240-59940/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 59940**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	50000	45500		ug/L		91	80 - 120
Magnesium	50000	46200		ug/L		92	80 - 120

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		10/03/12 13:54	10/08/12 15:15	1
Barium	100	U	100	0.67	ug/L		10/03/12 13:54	10/08/12 15:15	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/03/12 13:54	10/08/12 15:15	1
Calcium	5000	U	5000	130	ug/L		10/03/12 13:54	10/08/12 15:15	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/03/12 13:54	10/08/12 15:15	1
Chromium	5.0	U	5.0	2.2	ug/L		10/03/12 13:54	10/08/12 15:15	1
Iron	100	U	100	81	ug/L		10/03/12 13:54	10/08/12 15:15	1
Potassium	1000	U	1000	72	ug/L		10/03/12 13:54	10/08/12 15:15	1
Magnesium	106	J	1000	34	ug/L		10/03/12 13:54	10/08/12 15:15	1
Manganese	2.23	J	15	0.41	ug/L		10/03/12 13:54	10/08/12 15:15	1
Nickel	20	U	20	3.2	ug/L		10/03/12 13:54	10/08/12 15:15	1
Lead	3.0	U	3.0	1.9	ug/L		10/03/12 13:54	10/08/12 15:15	1
Selenium	5.0	U	5.0	4.1	ug/L		10/03/12 13:54	10/08/12 15:15	1
Vanadium	4.0	U	4.0	0.64	ug/L		10/03/12 13:54	10/08/12 15:15	1

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60643 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1000	U L	1000	590	ug/L		10/03/12 13:54	10/09/12 08:55	1

Lab Sample ID: LCS 240-60024/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	2100		ug/L		105	80 - 120
Barium	2000	2060		ug/L		103	80 - 120
Beryllium	50.0	51.4		ug/L		103	80 - 120
Calcium	50000	49300		ug/L		99	80 - 120
Cobalt	500	517		ug/L		103	80 - 120
Chromium	200	203		ug/L		101	80 - 120
Iron	1000	975		ug/L		98	80 - 120

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

Lab Sample ID: LCS 240-60024/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60579 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	50000	52900		ug/L		106	80 - 120
Magnesium	50000	50500		ug/L		101	80 - 120
Manganese	500	521		ug/L		104	80 - 120
Nickel	500	519		ug/L		104	80 - 120
Lead	500	496		ug/L		99	80 - 120
Selenium	2000	2060		ug/L		103	80 - 120
Vanadium	500	508		ug/L		102	80 - 120

Lab Sample ID: LCS 240-60024/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60643 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	50000	49800		ug/L		100	80 - 120

Lab Sample ID: MB 240-60351/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0	3.2	ug/L		10/05/12 12:53	10/09/12 12:00	1
Barium	0.692	J	100	0.67	ug/L		10/05/12 12:53	10/09/12 12:00	1
Beryllium	1.0	U	1.0	0.46	ug/L		10/05/12 12:53	10/09/12 12:00	1
Calcium	293	J	5000	130	ug/L		10/05/12 12:53	10/09/12 12:00	1
Cobalt	7.0	U	7.0	1.7	ug/L		10/05/12 12:53	10/09/12 12:00	1
Chromium	5.0	U	5.0	2.2	ug/L		10/05/12 12:53	10/09/12 12:00	1
Iron	100	U	100	81	ug/L		10/05/12 12:53	10/09/12 12:00	1
Potassium	159	J	1000	72	ug/L		10/05/12 12:53	10/09/12 12:00	1
Magnesium	1000	U	1000	34	ug/L		10/05/12 12:53	10/09/12 12:00	1
Manganese	15	U	15	0.41	ug/L		10/05/12 12:53	10/09/12 12:00	1
Sodium	1000	U	1000	590	ug/L		10/05/12 12:53	10/09/12 12:00	1
Nickel	20	U	20	3.2	ug/L		10/05/12 12:53	10/09/12 12:00	1
Lead	3.0	U	3.0	1.9	ug/L		10/05/12 12:53	10/09/12 12:00	1
Selenium	5.0	U	5.0	4.1	ug/L		10/05/12 12:53	10/09/12 12:00	1
Vanadium	0.880	J	4.0	0.64	ug/L		10/05/12 12:53	10/09/12 12:00	1

Lab Sample ID: LCS 240-60351/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	1760		ug/L		88	80 - 120
Barium	2000	1840		ug/L		92	80 - 120
Beryllium	50.0	46.6		ug/L		93	80 - 120
Calcium	50000	46600		ug/L		93	80 - 120
Cobalt	500	447		ug/L		89	80 - 120
Chromium	200	184		ug/L		92	80 - 120
Iron	1000	820		ug/L		82	80 - 120
Potassium	50000	46300		ug/L		93	80 - 120
Magnesium	50000	46400		ug/L		93	80 - 120

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

Lab Sample ID: LCS 240-60351/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	500	474		ug/L		95	80 - 120
Sodium	50000	47000		ug/L		94	80 - 120
Nickel	500	460		ug/L		92	80 - 120
Lead	500	438		ug/L		88	80 - 120
Selenium	2000	1780		ug/L		89	80 - 120
Vanadium	500	445		ug/L		89	80 - 120

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	94		2000	2040		ug/L		98	75 - 125
Barium	84	J B	2000	2160		ug/L		104	75 - 125
Beryllium	1.0	U	50.0	51.7		ug/L		103	75 - 125
Calcium	83000	B	50000	135000		ug/L		103	75 - 125
Cobalt	2.1	J	500	492		ug/L		98	75 - 125
Chromium	5.0	U	200	201		ug/L		100	75 - 125
Iron	11000		1000	11800	4	ug/L		100	75 - 125
Potassium	17000	B	50000	71800		ug/L		110	75 - 125
Magnesium	33000		50000	85500		ug/L		105	75 - 125
Manganese	140		500	687		ug/L		110	75 - 125
Sodium	39000		50000	92700		ug/L		108	75 - 125
Nickel	4.6	J	500	507		ug/L		101	75 - 125
Lead	3.0	U	500	490		ug/L		98	75 - 125
Selenium	5.9		2000	1970		ug/L		98	75 - 125
Vanadium	1.0	J B	500	496		ug/L		99	75 - 125

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60742 — **Prep Batch: 60351**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	94		2000	1940		ug/L		92	75 - 125	5	20
Barium	84	J B	2000	2050		ug/L		98	75 - 125	5	20
Beryllium	1.0	U	50.0	49.1		ug/L		98	75 - 125	5	20
Calcium	83000	B	50000	129000		ug/L		92	75 - 125	4	20
Cobalt	2.1	J	500	468		ug/L		93	75 - 125	5	20
Chromium	5.0	U	200	190		ug/L		95	75 - 125	6	20
Iron	11000		1000	11400	4	ug/L		63	75 - 125	3	20
Potassium	17000	B	50000	67500		ug/L		101	75 - 125	6	20
Magnesium	33000		50000	81000		ug/L		95	75 - 125	5	20
Manganese	140		500	636		ug/L		100	75 - 125	8	20
Sodium	39000		50000	87200		ug/L		97	75 - 125	6	20
Nickel	4.6	J	500	482		ug/L		95	75 - 125	5	20
Lead	3.0	U	500	462		ug/L		92	75 - 125	6	20
Selenium	5.9		2000	1880		ug/L		94	75 - 125	5	20
Vanadium	1.0	J B	500	470		ug/L		94	75 - 125	5	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-59257/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 59547 — **Prep Batch: 59257**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		09/27/12 09:51	09/28/12 14:58	1
Antimony	5.0	U	5.0	0.13	ug/L		09/27/12 09:51	09/28/12 14:58	1
Cadmium	0.50	U	0.50	0.13	ug/L		09/27/12 09:51	09/28/12 14:58	1
Copper	0.764	J	25	0.29	ug/L		09/27/12 09:51	09/28/12 14:58	1
Thallium	2.0	U	2.0	0.14	ug/L		09/27/12 09:51	09/28/12 14:58	1
Zinc	6.51	J	10	2.3	ug/L		09/27/12 09:51	09/28/12 14:58	1
Silver	0.50	U	0.50	0.080	ug/L		09/27/12 09:51	09/28/12 14:58	1

Lab Sample ID: LCS 240-59257/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 59547 — **Prep Batch: 59257**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10400		ug/L		104	80 - 120
Antimony	100	98.8		ug/L		99	80 - 120
Cadmium	1000	1000		ug/L		100	80 - 120
Copper	1000	1040		ug/L		104	80 - 120
Thallium	250	249		ug/L		100	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120
Silver	100	105		ug/L		105	80 - 120

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60265 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	0.13	ug/L		10/03/12 13:54	10/04/12 19:46	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/03/12 13:54	10/04/12 19:46	1
Thallium	2.0	U	2.0	0.14	ug/L		10/03/12 13:54	10/04/12 19:46	1
Silver	0.50	U	0.50	0.080	ug/L		10/03/12 13:54	10/04/12 19:46	1

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60419 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	25	U	25	0.29	ug/L		10/03/12 13:54	10/06/12 06:09	1
Zinc	10	U	10	2.3	ug/L		10/03/12 13:54	10/06/12 06:09	1

Lab Sample ID: MB 240-60024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/03/12 13:54	10/08/12 12:43	1

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

Lab Sample ID: LCS 240-60024/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60265 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	100	98.0		ug/L		98	80 - 120
Cadmium	1000	1020		ug/L		102	80 - 120
Thallium	250	248		ug/L		99	80 - 120
Silver	100	104		ug/L		104	80 - 120

Lab Sample ID: LCS 240-60024/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60419 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	1000	1030		ug/L		103	80 - 120
Zinc	1000	1060		ug/L		106	80 - 120

Lab Sample ID: LCS 240-60024/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10100		ug/L		101	80 - 120

Lab Sample ID: MB 240-60351/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60351**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	50	19	ug/L		10/05/12 12:53	10/08/12 19:31	1
Antimony	5.0	U	5.0	0.13	ug/L		10/05/12 12:53	10/08/12 19:31	1
Cadmium	0.50	U	0.50	0.13	ug/L		10/05/12 12:53	10/08/12 19:31	1
Copper	0.510	J	25	0.29	ug/L		10/05/12 12:53	10/08/12 19:31	1
Thallium	2.0	U	2.0	0.14	ug/L		10/05/12 12:53	10/08/12 19:31	1
Zinc	6.53	J	10	2.3	ug/L		10/05/12 12:53	10/08/12 19:31	1
Silver	0.50	U	0.50	0.080	ug/L		10/05/12 12:53	10/08/12 19:31	1

Lab Sample ID: LCS 240-60351/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60351**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	9660		ug/L		97	80 - 120
Antimony	100	93.2		ug/L		93	80 - 120
Cadmium	1000	967		ug/L		97	80 - 120
Copper	1000	954		ug/L		95	80 - 120
Thallium	250	218		ug/L		87	80 - 120
Zinc	1000	994		ug/L		99	80 - 120
Silver	100	98.3		ug/L		98	80 - 120

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

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60351**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	50	U	10000	10300		ug/L		103	63 - 128
Antimony	0.20	J	100	101		ug/L		101	44 - 153
Cadmium	0.50	U	1000	1020		ug/L		102	78 - 117
Copper	25	U	1000	982		ug/L		98	60 - 123
Thallium	0.49	J	250	248		ug/L		99	69 - 117
Zinc	5.1	J B	1000	1010		ug/L		100	49 - 156
Silver	0.50	U	100	103		ug/L		103	10 - 139

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 60580 — **Prep Batch: 60351**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	50	U	10000	10200		ug/L		102	63 - 128	1	20
Antimony	0.20	J	100	100		ug/L		100	44 - 153	1	20
Cadmium	0.50	U	1000	1010		ug/L		101	78 - 117	1	20
Copper	25	U	1000	978		ug/L		98	60 - 123	0	20
Thallium	0.49	J	250	247		ug/L		98	69 - 117	0	20
Zinc	5.1	J B	1000	1010		ug/L		100	49 - 156	0	20
Silver	0.50	U	100	102		ug/L		102	10 - 139	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-59148/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59148**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 13:49	1

Lab Sample ID: LCS 240-59148/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59148**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.29		ug/L		86	81 - 123

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59148**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	0.641	F	ug/L		64	69 - 134

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59148**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	0.688		ug/L		69	69 - 134	7	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 240-59160/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59160**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/26/12 15:35	09/27/12 17:28	1

Lab Sample ID: LCS 240-59160/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59366 — **Prep Batch: 59160**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.52		ug/L		90	81 - 123

Method: 160.2 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-59466/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	1.8	mg/L			09/28/12 11:39	1

Lab Sample ID: LCS 240-59466/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	77.6	76.0		mg/L		98	73 - 113

Lab Sample ID: 240-15668-1 DU — **Client Sample ID: SW-52222-092612-JV-718**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59466

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	4.0	U	4.0	U	mg/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-59159/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			09/26/12 14:56	1
Sulfate	1.0	U	1.0	0.12	mg/L			09/26/12 14:56	1

Lab Sample ID: LCS 240-59159/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	51.4		mg/L		103	90 - 110
Sulfate	50.0	48.9		mg/L		98	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	120		50.0	182		mg/L		114	80 - 120
Sulfate	1.0	U	50.0	50.8		mg/L		102	80 - 120

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	120		50.0	182		mg/L		115	80 - 120	0	20
Sulfate	1.0	U	50.0	50.6		mg/L		101	80 - 120	0	20

Lab Sample ID: MB 240-59302/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			09/28/12 04:30	1
Sulfate	1.0	U	1.0	0.12	mg/L			09/28/12 04:30	1

Lab Sample ID: LCS 240-59302/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.2		mg/L		100	90 - 110
Sulfate	50.0	51.0		mg/L		102	90 - 110

Lab Sample ID: 240-15580-2 MS — **Client Sample ID: GW-52222-092512-JV-712**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	230		50.0	389	4	mg/L		326	80 - 120

Lab Sample ID: MB 240-59472/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	0.10	mg/L			09/28/12 13:44	1
Sulfate	1.0	U	1.0	0.12	mg/L			09/28/12 13:44	1

Lab Sample ID: LCS 240-59472/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.8		mg/L		100	90 - 110
Sulfate	50.0	47.1		mg/L		94	90 - 110

Method: 350.3 - Nitrogen, Ammonia

Lab Sample ID: MB 240-59888/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.20	U	0.20	0.035	mg/L			10/02/12 13:43	1

Lab Sample ID: LCS 240-59888/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	8.93	8.59		mg/L		96	85 - 114

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59888

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	29		50.0	78.9		mg/L		99	75 - 125

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59888

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia (as N)	29		50.0	81.0		mg/L		104	75 - 125	3	20

Lab Sample ID: MB 240-60228/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60228

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	0.20	U	0.20	0.035	mg/L			10/04/12 09:50	1

Lab Sample ID: LCS 240-60228/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	8.93	9.27		mg/L		104	85 - 114

Lab Sample ID: 240-15580-5 MS — **Client Sample ID: GW-52222-092512-JV-715**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60228

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	0.076	J	2.50	2.93		mg/L		114	75 - 125

Lab Sample ID: 240-15580-5 MSD — **Client Sample ID: GW-52222-092512-JV-715**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60228

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia (as N)	0.076	J	2.50	2.89		mg/L		113	75 - 125	1	20

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 240-59644/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59690 — **Prep Batch: 59644**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/01/12 08:30	10/01/12 14:25	1

Lab Sample ID: LCS 240-59644/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59690 — **Prep Batch: 59644**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.309	0.311		mg/L		101	54 - 137

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59690 — **Prep Batch: 59644**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.040	U	0.100	0.114		mg/L		114	10 - 155

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59690 — **Prep Batch: 59644**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenols, Total	0.040	U	0.100	0.108		mg/L		108	10 - 155	6	20

Lab Sample ID: MB 240-60465/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60468 — **Prep Batch: 60465**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	0.040	U	0.040	0.0073	mg/L		10/08/12 07:00	10/08/12 10:37	1

Lab Sample ID: LCS 240-60465/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60468 — **Prep Batch: 60465**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.309	0.310		mg/L		100	54 - 137

Lab Sample ID: 240-15580-1 MS — **Client Sample ID: GW-52222-092512-JV-711**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60468 — **Prep Batch: 60465**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.040	U	0.100	0.0909		mg/L		91	10 - 155

Lab Sample ID: 240-15580-1 MSD — **Client Sample ID: GW-52222-092512-JV-711**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60468 — **Prep Batch: 60465**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenols, Total	0.040	U	0.100	0.104		mg/L		104	10 - 155	14	20

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-59796/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59880 — **Prep Batch: 59796**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		10/02/12 11:50	10/02/12 13:31	1

Lab Sample ID: LCS 240-59796/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59880 — **Prep Batch: 59796**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0498	0.0436		mg/L		88	69 - 118

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59880 — **Prep Batch: 59796**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.010	U	0.0400	0.0380		mg/L		95	42 - 140

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59880 — **Prep Batch: 59796**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.0400	0.0368		mg/L		92	42 - 140	3	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 240-59623/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	2.7	mg/L			09/29/12 10:22	1

Lab Sample ID: LCS 240-59623/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	51.6	54.3		mg/L		105	90 - 127

Lab Sample ID: 240-15550-1 MS — **Client Sample ID: GW-52222-092412-JV-705**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	330		500	750		mg/L		84	10 - 160

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 240-15550-1 MSD — **Client Sample ID: GW-52222-092412-JV-705**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	330		500	809		mg/L		96	10 - 160	8	24

Lab Sample ID: 240-15580-2 DU — **Client Sample ID: GW-52222-092512-JV-712**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59623

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	440			454		mg/L				3	20

Lab Sample ID: MB 240-59938/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	2.7	mg/L			10/02/12 12:07	1

Lab Sample ID: LCS 240-59938/7 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59938

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			51.6	52.7		mg/L		102	90 - 127		

Lab Sample ID: 240-15580-6 DU — **Client Sample ID: GW-52222-092512-JV-716**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59938

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	420			436		mg/L				3	20

Lab Sample ID: MB 240-60238/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	2.7	mg/L			10/04/12 08:56	1

Lab Sample ID: LCS 240-60238/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			51.6	51.9		mg/L		101	90 - 127		

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity	410		500	896		mg/L		96	10 - 160		

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	410		500	865		mg/L		90	10 - 160	4	24

Lab Sample ID: 240-15550-5 DU — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60238

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	410			428		mg/L				3	20

Method: SM 2340C - Hardness, Total

Lab Sample ID: MB 240-60300/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	5.0	U	5.0	3.1	mg/L			10/05/12 10:20	1

Lab Sample ID: LCS 240-60300/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60300

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Hardness as calcium carbonate			245	248		mg/L		101	88 - 110		

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 240-60097/10-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60189 — **Prep Batch: 60097**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as PO4	0.10	U	0.10	0.033	mg/L		10/04/12 08:12	10/04/12 12:59	1

Lab Sample ID: LCS 240-60097/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60189 — **Prep Batch: 60097**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Phosphorus as PO4			4.48	4.40		mg/L		98	53 - 134		

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60189 — **Prep Batch: 60097**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Phosphorus as PO4	0.59		0.500	0.919		mg/L		65	10 - 199		

Method: SM 4500 P E - Phosphorus (Continued)

Lab Sample ID: 240-15550-5 MSD — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 60189 — **Prep Batch: 60097**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Phosphorus as PO4	0.59		0.500	0.923		mg/L		66	10 - 199	0	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 240-59055/2 SCB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59055

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			09/26/12 07:00	1
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			09/26/12 07:00	1

Lab Sample ID: USB 240-59055/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59055

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 06:57	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 06:57	1

Lab Sample ID: LCS 240-59055/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	211		mg/L		107	85 - 115
Biochemical Oxygen Demand	198	211		mg/L		107	85 - 115

Lab Sample ID: 240-15550-5 DU — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59055

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	10		8.38		mg/L		19	20
Biochemical Oxygen Demand	10		8.38		mg/L		19	20

Lab Sample ID: SCB 240-59180/2 SCB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59180

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			09/26/12 13:21	1

Lab Sample ID: USB 240-59180/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59180

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			09/26/12 13:18	1

Method: SM 5210B - BOD, 5-Day (Continued)

Lab Sample ID: LCS 240-59180/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	208		mg/L		105	85 - 115

Lab Sample ID: SCB 240-59997/2 SCB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59997

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U s	2.0	2.0	mg/L			10/03/12 07:25	1

Lab Sample ID: USB 240-59997/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59997

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			10/03/12 07:22	1

Lab Sample ID: LCS 240-59997/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59997

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	192		mg/L		97	85 - 115

Method: SM 5220D - COD

Lab Sample ID: MB 240-59776/9-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59843 — **Prep Batch: 59776**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	20	U	20	10	mg/L		10/02/12 08:14	10/02/12 12:23	1

Lab Sample ID: LCS 240-59776/10-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59843 — **Prep Batch: 59776**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	122	119		mg/L		98	90 - 110

Lab Sample ID: 240-15550-5 MS — **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 59843 — **Prep Batch: 59776**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	39		111	155		mg/L		105	90 - 110

Method: SM 5220D - COD (Continued)

Lab Sample ID: 240-15550-5 MSD | **Client Sample ID: GW-52222-092412-JV-709**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 60543 | **Prep Batch: 60517**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	39		111	153		mg/L		102	90 - 110	2	20

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-129)	(66-117)	(74-115)	(75-121)
240-15550-1	GW-52222-092412-JV-705	92	91	99	93
240-15550-2	GW-52222-092412-JV-706	90	85	92	90
240-15550-3	GW-52222-092412-JV-707	98	95	105	101
240-15550-4	GW-52222-092412-JV-708	93	96	102	95
240-15550-5	GW-52222-092412-JV-709	85	89	95	89
240-15550-5 MS	GW-52222-092412-JV-709	83	99	98	88
240-15550-5 MSD	GW-52222-092412-JV-709	91	111	111	95
240-15550-6	TB-52222-092412-JV-710	94	95	103	97
240-15580-1	GW-52222-092512-JV-711	90	93	90	91
240-15580-2	GW-52222-092512-JV-712	90	90	93	93
240-15580-3	GW-52222-092512-JV-713	90	96	93	94
240-15580-3 MS	GW-52222-092512-JV-713	96	95	92	95
240-15580-3 MSD	GW-52222-092512-JV-713	94	92	90	95
240-15580-4	GW-52222-092512-JV-714	91	92	90	92
240-15580-5	GW-52222-092512-JV-715	89	90	90	93
240-15580-6	GW-52222-092512-JV-716	90	93	91	92
240-15580-7	TB-52222-092512-JV-717	89	88	90	90
LCS 240-59311/4	Lab Control Sample	84	104	99	88
LCS 240-59432/4	Lab Control Sample	95	95	94	92
LCS 240-59615/4	Lab Control Sample	93	95	92	92
MB 240-59311/5	Method Blank	85	92	96	86
MB 240-59432/5	Method Blank	88	86	89	92
MB 240-59615/5	Method Blank	88	92	91	91

Surrogate Legend

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

Client Sample ID: GW-52222-092412-JV-705

Lab Sample ID: 240-15550-1

Date Collected: 09/24/12 10:45

Matrix: Water

Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 18:51	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 14:26	SG	TAL NC
Total Recoverable	Prep	3005A			59257	09/27/12 09:51	LM	TAL NC
Total Recoverable	Analysis	6020		1	59547	09/28/12 17:36	KC	TAL NC
Total Recoverable	Analysis	6010B		1	59761	10/01/12 18:32	SG	TAL NC
Total Recoverable	Analysis	6010B		1	60094	10/03/12 19:51	SG	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 08:53	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 15:46	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 14:35	BW	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	59690	10/01/12 14:39	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:31	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:32	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		1	59888	10/02/12 15:21	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:19	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-706

Lab Sample ID: 240-15550-2

Date Collected: 09/24/12 11:30

Matrix: Water

Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 19:14	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 14:28	SG	TAL NC
Total Recoverable	Prep	3005A			59257	09/27/12 09:51	LM	TAL NC
Total Recoverable	Analysis	6020		1	59547	09/28/12 17:42	KC	TAL NC
Total Recoverable	Analysis	6010B		1	59761	10/01/12 18:36	SG	TAL NC
Total Recoverable	Analysis	6010B		1	60094	10/03/12 20:03	SG	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 09:01	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 16:02	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 15:27	BW	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	59690	10/01/12 14:40	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:36	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:35	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		1	59888	10/02/12 15:26	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:20	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-706 — Lab Sample ID: 240-15550-2

Date Collected: 09/24/12 11:30 — **Matrix: Water**
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-707 — Lab Sample ID: 240-15550-3

Date Collected: 09/24/12 12:40 — **Matrix: Water**
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 19:36	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 14:29	SG	TAL NC
Total Recoverable	Prep	3005A			59257	09/27/12 09:51	LM	TAL NC
Total Recoverable	Analysis	6020		1	59547	09/28/12 17:47	KC	TAL NC
Total Recoverable	Analysis	6010B		1	59761	10/01/12 18:40	SG	TAL NC
Total Recoverable	Analysis	6010B		1	60094	10/03/12 20:06	SG	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 09:09	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 16:18	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 15:37	BW	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	59690	10/01/12 14:41	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:38	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:36	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		1	59888	10/02/12 15:30	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:21	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-708 — Lab Sample ID: 240-15550-4

Date Collected: 09/24/12 14:00 — **Matrix: Water**
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 19:59	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 14:31	SG	TAL NC
Total Recoverable	Prep	3005A			59257	09/27/12 09:51	LM	TAL NC
Total Recoverable	Analysis	6020		1	59547	09/28/12 18:06	KC	TAL NC
Total Recoverable	Analysis	6010B		1	59761	10/01/12 18:44	SG	TAL NC
Total Recoverable	Analysis	6010B		1	60094	10/03/12 20:10	SG	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 09:19	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 16:35	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 15:50	BW	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092412-JV-708

Lab Sample ID: 240-15550-4

Date Collected: 09/24/12 14:00
Matrix: Water
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	420.1		1	59690	10/01/12 14:41	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:40	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:37	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		10	59888	10/02/12 15:51	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:23	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC

Client Sample ID: GW-52222-092412-JV-709

Lab Sample ID: 240-15550-5

Date Collected: 09/24/12 15:15
Matrix: Water
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 20:21	LW	TAL NC
Total/NA	Prep	7470A			59148	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 13:56	SG	TAL NC
Total Recoverable	Prep	3005A			60351	10/05/12 12:53	LM	TAL NC
Total Recoverable	Analysis	6020		1	60580	10/08/12 19:44	NJT	TAL NC
Total Recoverable	Analysis	6010B		1	60742	10/09/12 12:11	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 09:27	TH	TAL NC
Total/NA	Analysis	300.0		1	59159	09/26/12 16:51	LG	TAL NC
Total/NA	Prep	Distill/Phenol			59644	10/01/12 08:30	JK	TAL NC
Total/NA	Analysis	420.1		1	59690	10/01/12 14:42	JK	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:42	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:38	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:31	CN	TAL NC
Total/NA	Analysis	350.3		10	59888	10/02/12 14:23	LG	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:14	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC
Total/NA	Analysis	SM 2320B		1	60238	10/04/12 11:02	OC	TAL NC

Client Sample ID: TB-52222-092412-JV-710

Lab Sample ID: 240-15550-6

Date Collected: 09/24/12 00:00
Matrix: Water
Date Received: 09/25/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59311	09/27/12 21:28	LW	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092512-JV-711

Lab Sample ID: 240-15580-1

Date Collected: 09/25/12 09:05
Matrix: Water
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	59615	10/01/12 13:17	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 17:58	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 21:44	NJT	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:12	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:30	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59180	09/26/12 13:29	TH	TAL NC
Total/NA	Analysis	300.0		5	59302	09/28/12 05:30	LG	TAL NC
Total/NA	Analysis	300.0		1	59472	09/28/12 15:29	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 16:15	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:46	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:40	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:32	CN	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:24	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 12:59	TH	TAL NC
Total/NA	Analysis	350.3		1	60228	10/04/12 10:51	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:40	JK	TAL NC

Client Sample ID: GW-52222-092512-JV-712

Lab Sample ID: 240-15580-2

Date Collected: 09/25/12 10:50
Matrix: Water
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	59615	10/01/12 13:40	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 17:59	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 21:49	NJT	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:18	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:35	BD	TAL NC
Total/NA	Analysis	300.0		5	59302	09/28/12 05:50	LG	TAL NC
Total/NA	Analysis	300.0		1	59472	09/28/12 15:47	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 16:32	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:47	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:41	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:36	CN	TAL NC
Total/NA	Analysis	SM 5210B	RA	1	59997	10/03/12 08:44	TH	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:25	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC

Client Sample ID: GW-52222-092512-JV-712

Lab Sample ID: 240-15580-2

Date Collected: 09/25/12 10:50

Matrix: Water

Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.3		1	60228	10/04/12 11:02	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:44	JK	TAL NC

Client Sample ID: GW-52222-092512-JV-713

Lab Sample ID: 240-15580-3

Date Collected: 09/25/12 10:10

Matrix: Water

Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		25	59615	10/01/12 14:03	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 18:01	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 21:55	NJT	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:24	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:41	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59180	09/26/12 14:00	TH	TAL NC
Total/NA	Analysis	300.0		10	59302	09/28/12 06:31	LG	TAL NC
Total/NA	Analysis	300.0		1	59472	09/28/12 16:04	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 17:07	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:49	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:42	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:36	CN	TAL NC
Total/NA	Analysis	SM 5210B	RA	1	59997	10/03/12 08:49	TH	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:27	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC
Total/NA	Analysis	350.3		20	60228	10/04/12 11:17	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:45	JK	TAL NC

Client Sample ID: GW-52222-092512-JV-714

Lab Sample ID: 240-15580-4

Date Collected: 09/25/12 14:25

Matrix: Water

Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59432	09/28/12 18:34	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 18:02	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 22:00	NJT	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:31	BD	TAL NC
Total Recoverable	Analysis	6010B		5	60643	10/09/12 09:47	BD	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: GW-52222-092512-JV-714

Lab Sample ID: 240-15580-4

Date Collected: 09/25/12 14:25
Matrix: Water
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	59180	09/26/12 14:14	TH	TAL NC
Total/NA	Analysis	300.0		20	59302	09/28/12 06:51	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 17:25	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:51	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:43	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:36	CN	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:28	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC
Total/NA	Analysis	350.3		1	60228	10/04/12 11:17	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:46	JK	TAL NC

Client Sample ID: GW-52222-092512-JV-715

Lab Sample ID: 240-15580-5

Date Collected: 09/25/12 15:30
Matrix: Water
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59432	09/28/12 18:57	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 18:03	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 22:06	NJT	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:37	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:52	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 11:58	TH	TAL NC
Total/NA	Analysis	300.0		5	59302	09/28/12 07:11	LG	TAL NC
Total/NA	Analysis	SM 2320B		1	59623	09/29/12 17:38	BW	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:53	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:44	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:36	CN	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:29	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC
Total/NA	Analysis	350.3		1	60228	10/04/12 11:17	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:47	JK	TAL NC

Client Sample ID: GW-52222-092512-JV-716 — Lab Sample ID: 240-15580-6

Date Collected: 09/25/12 15:40 — **Matrix: Water**
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59432	09/28/12 19:20	LE	TAL NC
Total/NA	Prep	7470A			59160	09/26/12 15:35	LM	TAL NC
Total/NA	Analysis	7470A		1	59366	09/27/12 18:05	SG	TAL NC
Total Recoverable	Prep	3005A			60024	10/03/12 13:54	AS	TAL NC
Total Recoverable	Analysis	6020		1	60265	10/04/12 22:11	NJT	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 17:43	BD	TAL NC
Total Recoverable	Analysis	6010B		1	60643	10/09/12 09:58	BD	TAL NC
Total/NA	Analysis	SM 5210B		1	59055	09/26/12 12:05	TH	TAL NC
Total/NA	Analysis	300.0		5	59302	09/28/12 07:31	LG	TAL NC
Total/NA	Prep	SM 5220			59776	10/02/12 08:58	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	59843	10/02/12 12:47	TH	TAL NC
Total/NA	Prep	9012A			59796	10/02/12 11:50	CN	TAL NC
Total/NA	Analysis	9012A		1	59880	10/02/12 13:37	CN	TAL NC
Total/NA	Analysis	SM 2320B		1	59938	10/02/12 12:52	MAF	TAL NC
Total/NA	Prep	365.2/365.3/365			60097	10/04/12 08:31	TH	TAL NC
Total/NA	Analysis	SM 4500 P E		1	60189	10/04/12 13:02	TH	TAL NC
Total/NA	Analysis	350.3		1	60228	10/04/12 12:53	JK	TAL NC
Total/NA	Prep	Distill/Phenol			60465	10/08/12 07:00	JK	TAL NC
Total/NA	Analysis	420.1		1	60468	10/08/12 10:50	JK	TAL NC

Client Sample ID: TB-52222-092512-JV-717 — Lab Sample ID: 240-15580-7

Date Collected: 09/25/12 00:00 — **Matrix: Water**
Date Received: 09/26/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	59432	09/28/12 19:42	LE	TAL NC

Client Sample ID: SW-52222-092612-JV-718 — Lab Sample ID: 240-15668-1

Date Collected: 09/26/12 08:20 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 19:52	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:00	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-719 — Lab Sample ID: 240-15668-2

Date Collected: 09/26/12 08:24 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Client Sample ID: SW-52222-092612-JV-719 — Lab Sample ID: 240-15668-2

Date Collected: 09/26/12 08:24 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6010B		1	60579	10/08/12 19:58	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:10	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-720 — Lab Sample ID: 240-15668-3

Date Collected: 09/26/12 08:42 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 20:04	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:20	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-721 — Lab Sample ID: 240-15668-4

Date Collected: 09/26/12 09:10 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 20:11	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:30	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-722 — Lab Sample ID: 240-15668-5

Date Collected: 09/26/12 09:26 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 20:17	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:40	MAF	TAL NC

Client Sample ID: SW-52222-092612-JV-723 — Lab Sample ID: 240-15668-6

Date Collected: 09/26/12 10:00 — **Matrix: Water**
Date Received: 09/27/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			59940	10/03/12 09:03	LM	TAL NC
Total Recoverable	Analysis	6010B		1	60579	10/08/12 20:23	BD	TAL NC
Total/NA	Analysis	160.2		1	59466	09/28/12 11:39	AM	TAL NC
Total/NA	Analysis	SM 2340C		1	60300	10/05/12 12:50	MAF	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Laboratory References:

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

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15550-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-13
Texas	NELAC	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-13
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-13

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. PL-09861
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 52222
Project Name: Cork st Landfill
Project Location: Kalamazoo, MI
Chemistry Contact: Paul Wiseman
Sampler(s): Jon V, Earl B

Laboratory Name: Test America
Lab Contact: Denise Heckler
Lab Location: North Canton, OH
Lab Quote No:

SSOW ID:
Cooler No:
Carrier: FedEx
Airbill No:
Date Shipped: 9-24-12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs	Phenols	Cyanide	BOD	Alkalinity	Chloride	Sulfate	Metals	COD, Ammonia	Total Phosphorus	MS/MSD Request	Comments/ Special Instructions:
1	GW-52222-092412-JV-705	9-24-12	1045	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
2	-706		1130	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
3	-707		1240	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
	-708		1400	WG	G	X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
	-709		1515	WG	G	X	X	X	X	X				21	X	X	X	X	X	X	X	X	X	X	X	
	TB-52222-092412-JV-710		—	WQ	G		X							1	X											
9																										
10																										
11																										
12																										
13																										
14																										
15																										

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 58
All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Jon Valentine	CRA	9-24-12	1700	1. [illegible]	TA	9-25-12	815
				2.			
				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 15550

Client CRA Site Name Cork st. By: [illegible]

Cooler Received on 9-25-12 Opened on 9-25-12 (Signature)

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 4G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	☐ Multiple on Back
IR GUN# 5G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 8	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
705	12.2 12 12 712	9-25.12	VS
6	12 12 12 712		
7	12 12 12 712		
8	12 12 12 712		
9	12 12 12 12 12 12 712 712		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
No #	0.6	0.6	8	ICP
No#	1.1	1.1		
No#	0.8	0.8		

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. PL- 09098
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 52222
Project Name: Cork st Land Fill
Project Location: Kalamazoo, MI
Chemistry Contact: Paul Wiseman
Sampler(s): Jon V, Earl B

Laboratory Name: Test America
Lab Contact: Denise Heckler
Lab Location: North Canton OH
Lab Quote No:
SSOW ID:
Cooler No:
Carrier: Fedex
Airbill No:
Date Shipped: 9-25-12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOC's	Phenols	Cyanide	BOD	Alkalinity	Chloride	Sulfate	Metals	COD, Ammonia	Total Phosphorus	MS/MSD Request	Comments/ Special Instructions:
1	GW-52222-092512-JV-711	9-25-12	0905	WG		X	X	X	X	X			~~9~~	9	X	X	X	X	X	X	X	X	X	X		
2	-712		1050			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
3	-713		1010			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
4	-714		1425			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
5	-715		1530			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
6	-716		1540			X	X	X	X	X				9	X	X	X	X	X	X	X	X	X	X		
7	TB-52222-092512-JV-717		—	WQ			X							1	X											
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										

Analysis Requested (See Back of COC for Definitions)

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 55
All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Jon Valentine	CRA	9-25-12	1730	1. [signature]	TA	9-26-12	800
				2.			
				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 15580

Client CRA Site Name Cork St. By: [signature]

Cooler Received on 9-26-12 Opened on 9-26-12 (Signature)

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C
IR GUN# 4G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C
IR GUN# 5G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C
IR GUN# 8	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C

☑ Multiple on Back

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
711	<2 <2 <2 >12	9-26-12	NS
712	<2 <2 <2 >12		
713	<2 <2 <2 >12		
714	<2 <2 <2 >12		
715	<2 <2 <2 >12		
716	<2 <2 <2 >12		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
260-019	1.8	1.8	8	ice
Not	2.2	2.2		
241-2552	1.3	1.3		

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. PL- 09138
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 52222
Laboratory Name: Test America
Lab Location: N. Canton, OH
SSOW ID:
Project Name: Cook St Land Fill
Lab Contact: Denise Heckler
Lab Quote No:
Cooler No:
Project Location: Kalamazoo
Carrier: FedEx
Chemistry Contact: Paul Wiseman
Airbill No:
Sampler(s): Jon Valentine
Date Shipped: 9-26-12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	TSS	Hardness								MS/MSD Request	Comments/ Special Instructions:
1	SW-52222-092612-JV-718	9-26-12	0820	WS	G	X		X						2	X	X									
2	-719		0824			X		X						2	X	X									
3	-720		0842			X		X						2	X	X									
	-721		0910			X		X						2	X	X									
	-722		0926			X		X						2	X	X									
	-723		1000			X		X						2	X	X									
9																									
10																									
11																									Sample Event Complete
12																									
13																									
14																									
15																									

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 12
All Samples in Cooler must be on COC

Notes/ Special Requirements:

	Relinquished By	Company	Date	Time		Received By	Company	Date	Time
1.	Jon Valentine	CRA	9-26-12	1630	1.	[illegible]	TAL	9/26/12	800
2.					2.				
3.					3.				

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110604)

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 156668

Client CRA Site Name _____ By: [signature]

Cooler Received on 9/27/12 Opened on 9/27/12 (Signature)

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

TestAmerica Cooler # 260-138 Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 4G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	☐ Multiple on Back
IR GUN# 5G	(CF –1°C)	Observed Sample Temp. 2.6 °C	Corrected Sample Temp. 1.6 °C	
IR GUN# 8	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
718	<2	9/27/12	CSL
719	<2		
720	<2		
721	<2		
722	<2		
723	<2		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-15550-1

Login Number: 15550

List Source: TestAmerica Canton

List Number: 1

Creator: Maddux, Ann

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-15550-1

Login Number: 15580

List Number: 1

Creator: Sutek, Nick

List Source: TestAmerica Canton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-15550-1

Login Number: 15668

List Number: 1

Creator: Maddux, Ann

List Source: TestAmerica Canton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 240-15987-1
Client Project/Site: 52222, Cork Street

For:
Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman

Denise D Heckler

Authorized for release by:
10/17/2012 8:48:11 AM

Denise Heckler
Project Manager II
denise.heckler@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 240-15987-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 52222, Cork Street

Report Number: 240-15987-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 10/05/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.8 C.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample SO-52222-100412-JV-724 (240-15987-1) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8260B. The samples were leached on 10/11/2012 and analyzed on 10/13/2012.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample SO-52222-100412-JV-724 (240-15987-1) was analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8270C. The samples were leached on 10/09/2012, prepared on 10/12/2012 and analyzed on 10/13/2012.

No other difficulties were encountered during the SVOCs analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 240-15987-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

POLYCHLORINATED BIPHENYLS (PCBS)

Sample SO-52222-100412-JV-724 (240-15987-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 10/09/2012 and analyzed on 10/16/2012.

Two surrogates are used for this analysis. The laboratory's SOP allows 1 of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: (MB 240-60640/22-A) and SO-52222-100412-JV-724 (240-15987-1). The results have been reported and qualified.

The opening and closing continuing calibration verifications (CCVS) for sample: SO-52222-100412-JV-724 (240-15987-1) recovered above the upper control limit. Since the sample was non-detect, the results are reported.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: SO-52222-100412-JV-724 (240-15987-1). Lot # S65830

No difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TCLP METALS (ICP)

Sample SO-52222-100412-JV-724 (240-15987-1) was analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/6010B. The samples were leached on 10/09/2012, prepared on 10/10/2012 and analyzed on 10/11/2012.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TCLP MERCURY

Sample SO-52222-100412-JV-724 (240-15987-1) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 10/09/2012, prepared on 10/10/2012 and analyzed on 10/12/2012.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

FLASHPOINT

Sample SO-52222-100412-JV-724 (240-15987-1) was analyzed for flashpoint in accordance with EPA SW-846 Method 1010. The samples were analyzed on 10/11/2012.

No difficulties were encountered during the flashpoint analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Sample SO-52222-100412-JV-724 (240-15987-1) was analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 10/10/2012.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

SULFIDE

Sample SO-52222-100412-JV-724 (240-15987-1) was analyzed for sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared and analyzed on 10/08/2012.

No difficulties were encountered during the sulfide analysis.

Job ID: 240-15987-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

All quality control parameters were within the acceptance limits.

PH

Sample SO-52222-100412-JV-724 (240-15987-1) was analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 10/06/2012.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-15987-1	SO-52222-100412-JV-724	Solid	10/04/12 08:10	10/05/12 09:20

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

Client Sample ID: SO-52222-100412-JV-724 — Lab Sample ID: 240-15987-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		1.0		Degrees F	1		1010	Total/NA
Corrosivity	8.00		0.100		SU	1		9045C	Total/NA

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NC
6010B	Metals (ICP)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL NC
9012A	Cyanide, Total and/or Amenable	SW846	TAL NC
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL NC
9045C	pH	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

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

Client Sample ID: SO-52222-100412-JV-724
Date Collected: 10/04/12 08:10
Date Received: 10/05/12 09:20

Lab Sample ID: 240-15987-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.025	U	0.025		mg/L			10/13/12 01:00	1
1,2-Dichloroethane	0.025	U	0.025		mg/L			10/13/12 01:00	1
2-Butanone (MEK)	0.25	U	0.25		mg/L			10/13/12 01:00	1
Benzene	0.025	U	0.025		mg/L			10/13/12 01:00	1
Carbon tetrachloride	0.025	U	0.025		mg/L			10/13/12 01:00	1
Chlorobenzene	0.025	U	0.025		mg/L			10/13/12 01:00	1
Chloroform	0.025	U	0.025		mg/L			10/13/12 01:00	1
Tetrachloroethene	0.025	U	0.025		mg/L			10/13/12 01:00	1
Trichloroethene	0.025	U	0.025		mg/L			10/13/12 01:00	1
Vinyl chloride	0.025	U	0.025		mg/L			10/13/12 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 121*		*10/13/12 01:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 124*		*10/13/12 01:00*	*1*
Toluene-d8 (Surr)	*108*		*90 - 115*		*10/13/12 01:00*	*1*
Dibromofluoromethane (Surr)	*122*		*84 - 128*		*10/13/12 01:00*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

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

Client Sample ID: SO-52222-100412-JV-724
Date Collected: 10/04/12 08:10
Date Received: 10/05/12 09:20

Lab Sample ID: 240-15987-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0040	U	0.0040		mg/L		10/12/12 12:13	10/13/12 22:55	1
2,4,5-Trichlorophenol	0.020	U	0.020		mg/L		10/12/12 12:13	10/13/12 22:55	1
2,4,6-Trichlorophenol	0.020	U	0.020		mg/L		10/12/12 12:13	10/13/12 22:55	1
2,4-Dinitrotoluene	0.020	U	0.020		mg/L		10/12/12 12:13	10/13/12 22:55	1
Hexachlorobenzene	0.020	U	0.020		mg/L		10/12/12 12:13	10/13/12 22:55	1
Hexachlorobutadiene	0.020	U	0.020		mg/L		10/12/12 12:13	10/13/12 22:55	1
Hexachloroethane	0.020	U	0.020		mg/L		10/12/12 12:13	10/13/12 22:55	1
3 & 4 Methylphenol	0.040	U	0.040		mg/L		10/12/12 12:13	10/13/12 22:55	1
2-Methylphenol	0.0040	U	0.0040		mg/L		10/12/12 12:13	10/13/12 22:55	1
Nitrobenzene	0.0040	U	0.0040		mg/L		10/12/12 12:13	10/13/12 22:55	1
Pentachlorophenol	0.040	U	0.040		mg/L		10/12/12 12:13	10/13/12 22:55	1
Pyridine	0.020	U	0.020		mg/L		10/12/12 12:13	10/13/12 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*30 - 110*	*10/12/12 12:13*	*10/13/12 22:55*	*1*
2-Fluorophenol (Surr)	*69*		*20 - 110*	*10/12/12 12:13*	*10/13/12 22:55*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*23 - 110*	*10/12/12 12:13*	*10/13/12 22:55*	*1*
Nitrobenzene-d5 (Surr)	*70*		*28 - 110*	*10/12/12 12:13*	*10/13/12 22:55*	*1*
Phenol-d5 (Surr)	*62*		*21 - 110*	*10/12/12 12:13*	*10/13/12 22:55*	*1*
Terphenyl-d14 (Surr)	*86*		*48 - 110*	*10/12/12 12:13*	*10/13/12 22:55*	*1*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

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

Client Sample ID: SO-52222-100412-JV-724
Date Collected: 10/04/12 08:10
Date Received: 10/05/12 09:20

Lab Sample ID: 240-15987-1
Matrix: Solid
Percent Solids: 96.0

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	34	U	34		ug/Kg	☼	10/09/12 11:11	10/16/12 07:10	1
Aroclor-1221	34	U	34		ug/Kg	☼	10/09/12 11:11	10/16/12 07:10	1
Aroclor-1232	34	U	34		ug/Kg	☼	10/09/12 11:11	10/16/12 07:10	1
Aroclor-1242	34	U	34		ug/Kg	☼	10/09/12 11:11	10/16/12 07:10	1
Aroclor-1248	34	U	34		ug/Kg	☼	10/09/12 11:11	10/16/12 07:10	1
Aroclor-1254	34	U	34		ug/Kg	☼	10/09/12 11:11	10/16/12 07:10	1
Aroclor-1260	34	U	34		ug/Kg	☼	10/09/12 11:11	10/16/12 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*108*		*29 - 151*	*10/09/12 11:11*	*10/16/12 07:10*	*1*
DCB Decachlorobiphenyl	*241*	*X*	*14 - 163*	*10/09/12 11:11*	*10/16/12 07:10*	*1*

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

Method: 6010B - Metals (ICP) - TCLP

Client Sample ID: SO-52222-100412-JV-724
Date Collected: 10/04/12 08:10
Date Received: 10/05/12 09:20

Lab Sample ID: 240-15987-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50		mg/L		10/10/12 14:46	10/11/12 13:35	1
Barium	10	U	10		mg/L		10/10/12 14:46	10/11/12 13:35	1
Cadmium	0.10	U	0.10		mg/L		10/10/12 14:46	10/11/12 13:35	1
Chromium	0.50	U	0.50		mg/L		10/10/12 14:46	10/11/12 13:35	1
Lead	0.50	U	0.50		mg/L		10/10/12 14:46	10/11/12 13:35	1
Selenium	0.25	U	0.25		mg/L		10/10/12 14:46	10/11/12 13:35	1
Silver	0.50	U	0.50		mg/L		10/10/12 14:46	10/11/12 13:35	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

Method: 7470A - Mercury (CVAA) - TCLP

Client Sample ID: SO-52222-100412-JV-724
Date Collected: 10/04/12 08:10
Date Received: 10/05/12 09:20

Lab Sample ID: 240-15987-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020		mg/L		10/10/12 16:15	10/12/12 15:23	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

General Chemistry

Client Sample ID: SO-52222-100412-JV-724
Date Collected: 10/04/12 08:10
Date Received: 10/05/12 09:20

Lab Sample ID: 240-15987-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>180**		1.0		Degrees F			10/11/12 12:30	1
Cyanide, Total	0.53	U	0.53		mg/Kg	☼	10/10/12 13:05	10/10/12 14:37	1
Sulfide	31	U	31		mg/Kg	☼	10/08/12 08:09	10/08/12 13:19	1
Corrosivity	**8.00**		0.100		SU			10/06/12 10:41	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

GC/MS VOA

Leach Batch: 61101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	1311	
LB 240-61101/1-A MB	Method Blank	TCLP	Solid	1311	

Analysis Batch: 61207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	8260B	61101
LB 240-61101/1-A MB	Method Blank	TCLP	Solid	8260B	61101
LCS 240-61207/10	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Leach Batch: 60717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	1311	

Prep Batch: 61174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	3510C	60717
LCS 240-61174/12-A	Lab Control Sample	Total/NA	Solid	3510C	
MB 240-61174/11-A	Method Blank	Total/NA	Solid	3510C	

Analysis Batch: 61236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	8270C	61174
LCS 240-61174/12-A	Lab Control Sample	Total/NA	Solid	8270C	61174
MB 240-61174/11-A	Method Blank	Total/NA	Solid	8270C	61174

GC Semi VOA

Prep Batch: 60640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	Total/NA	Solid	3540C	
240-15987-1 MS	SO-52222-100412-JV-724	Total/NA	Solid	3540C	
240-15987-1 MSD	SO-52222-100412-JV-724	Total/NA	Solid	3540C	
LCS 240-60640/23-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-60640/22-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 61083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-60640/22-A	Method Blank	Total/NA	Solid	8082	60640

Analysis Batch: 61424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	Total/NA	Solid	8082	60640
240-15987-1 MS	SO-52222-100412-JV-724	Total/NA	Solid	8082	60640
240-15987-1 MSD	SO-52222-100412-JV-724	Total/NA	Solid	8082	60640
LCS 240-60640/23-A	Lab Control Sample	Total/NA	Solid	8082	60640

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

Metals

Leach Batch: 60717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	1311	
LB 240-60717/1-D LB	Method Blank	TCLP	Solid	1311	
LB 240-60717/1-E LB	Method Blank	TCLP	Solid	1311	

Prep Batch: 60854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	7470A	60717
LB 240-60717/1-D LB	Method Blank	TCLP	Solid	7470A	60717
LCS 240-60854/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 240-60854/2-A	Method Blank	Total/NA	Solid	7470A	

Prep Batch: 60856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	3010A	60717
LB 240-60717/1-E LB	Method Blank	TCLP	Solid	3010A	60717
LCS 240-60856/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 240-60856/2-A	Method Blank	Total/NA	Solid	3010A	

Analysis Batch: 61104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	6010B	60856
LB 240-60717/1-E LB	Method Blank	TCLP	Solid	6010B	60856
LCS 240-60856/3-A	Lab Control Sample	Total/NA	Solid	6010B	60856
MB 240-60856/2-A	Method Blank	Total/NA	Solid	6010B	60856

Analysis Batch: 61184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	TCLP	Solid	7470A	60854
LB 240-60717/1-D LB	Method Blank	TCLP	Solid	7470A	60854
LCS 240-60854/3-A	Lab Control Sample	Total/NA	Solid	7470A	60854
MB 240-60854/2-A	Method Blank	Total/NA	Solid	7470A	60854

General Chemistry

Analysis Batch: 60403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	Total/NA	Solid	9045C	
240-15987-1 DU	SO-52222-100412-JV-724	Total/NA	Solid	9045C	
LCS 240-60403/2	Lab Control Sample	Total/NA	Solid	9045C	

Prep Batch: 60463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	Total/NA	Solid	9030B	
240-15987-1 MS	SO-52222-100412-JV-724	Total/NA	Solid	9030B	
240-15987-1 MSD	SO-52222-100412-JV-724	Total/NA	Solid	9030B	
LCS 240-60463/2-A	Lab Control Sample	Total/NA	Solid	9030B	
MB 240-60463/1-A	Method Blank	Total/NA	Solid	9030B	

Analysis Batch: 60483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 60532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	Total/NA	Solid	9034	60463
240-15987-1 MS	SO-52222-100412-JV-724	Total/NA	Solid	9034	60463
240-15987-1 MSD	SO-52222-100412-JV-724	Total/NA	Solid	9034	60463
LCS 240-60463/2-A	Lab Control Sample	Total/NA	Solid	9034	60463
MB 240-60463/1-A	Method Blank	Total/NA	Solid	9034	60463

Prep Batch: 60832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	Total/NA	Solid	9012A	
240-15987-1 MS	SO-52222-100412-JV-724	Total/NA	Solid	9012A	
240-15987-1 MSD	SO-52222-100412-JV-724	Total/NA	Solid	9012A	
LCS 240-60832/2-A	Lab Control Sample	Total/NA	Solid	9012A	
MB 240-60832/1-A	Method Blank	Total/NA	Solid	9012A	

Analysis Batch: 60864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	Total/NA	Solid	9012A	60832
240-15987-1 MS	SO-52222-100412-JV-724	Total/NA	Solid	9012A	60832
240-15987-1 MSD	SO-52222-100412-JV-724	Total/NA	Solid	9012A	60832
LCS 240-60832/2-A	Lab Control Sample	Total/NA	Solid	9012A	60832
MB 240-60832/1-A	Method Blank	Total/NA	Solid	9012A	60832

Analysis Batch: 61030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-15987-1	SO-52222-100412-JV-724	Total/NA	Solid	1010	
LCS 240-61030/1	Lab Control Sample	Total/NA	Solid	1010	

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

Lab Sample ID: LCS 240-61207/10 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	1.00	1.18		mg/L		118	71 - 133
1,2-Dichloroethane	1.00	1.07		mg/L		107	81 - 114
2-Butanone (MEK)	2.00	1.88		mg/L		94	49 - 120
Benzene	1.00	0.973		mg/L		97	84 - 120
Carbon tetrachloride	1.00	1.08		mg/L		108	54 - 122
Chlorobenzene	1.00	1.01		mg/L		101	86 - 111
Chloroform	1.00	1.01		mg/L		101	87 - 123
Tetrachloroethene	1.00	1.06		mg/L		106	79 - 134
Trichloroethene	1.00	1.11		mg/L		111	78 - 130
Vinyl chloride	1.00	0.915		mg/L		92	56 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*121*		*80 - 121*
4-Bromofluorobenzene (Surr)	*99*		*70 - 124*
Toluene-d8 (Surr)	*113*		*90 - 115*
Dibromofluoromethane (Surr)	*124*		*84 - 128*

Lab Sample ID: LB 240-61101/1-A MB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 61207

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.025	U	0.025	mg/L			10/12/12 20:21	1
1,2-Dichloroethane	0.025	U	0.025	mg/L			10/12/12 20:21	1
2-Butanone (MEK)	0.25	U	0.25	mg/L			10/12/12 20:21	1
Benzene	0.025	U	0.025	mg/L			10/12/12 20:21	1
Carbon tetrachloride	0.025	U	0.025	mg/L			10/12/12 20:21	1
Chlorobenzene	0.025	U	0.025	mg/L			10/12/12 20:21	1
Chloroform	0.025	U	0.025	mg/L			10/12/12 20:21	1
Tetrachloroethene	0.025	U	0.025	mg/L			10/12/12 20:21	1
Trichloroethene	0.025	U	0.025	mg/L			10/12/12 20:21	1
Vinyl chloride	0.025	U	0.025	mg/L			10/12/12 20:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 121*		*10/12/12 20:21*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 124*		*10/12/12 20:21*	*1*
Toluene-d8 (Surr)	*107*		*90 - 115*		*10/12/12 20:21*	*1*
Dibromofluoromethane (Surr)	*121*		*84 - 128*		*10/12/12 20:21*	*1*

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

Lab Sample ID: MB 240-61174/11-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61236 — **Prep Batch: 61174**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0040	U	0.0040	mg/L		10/12/12 12:13	10/13/12 15:40	1
2,4,5-Trichlorophenol	0.020	U	0.020	mg/L		10/12/12 12:13	10/13/12 15:40	1
2,4,6-Trichlorophenol	0.020	U	0.020	mg/L		10/12/12 12:13	10/13/12 15:40	1

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

Lab Sample ID: MB 240-61174/11-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 61236 | **Prep Batch: 61174**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.020	U	0.020	mg/L		10/12/12 12:13	10/13/12 15:40	1
Hexachlorobenzene	0.020	U	0.020	mg/L		10/12/12 12:13	10/13/12 15:40	1
Hexachlorobutadiene	0.020	U	0.020	mg/L		10/12/12 12:13	10/13/12 15:40	1
Hexachloroethane	0.020	U	0.020	mg/L		10/12/12 12:13	10/13/12 15:40	1
3 & 4 Methylphenol	0.040	U	0.040	mg/L		10/12/12 12:13	10/13/12 15:40	1
2-Methylphenol	0.0040	U	0.0040	mg/L		10/12/12 12:13	10/13/12 15:40	1
Nitrobenzene	0.0040	U	0.0040	mg/L		10/12/12 12:13	10/13/12 15:40	1
Pentachlorophenol	0.040	U	0.040	mg/L		10/12/12 12:13	10/13/12 15:40	1
Pyridine	0.020	U	0.020	mg/L		10/12/12 12:13	10/13/12 15:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*30 - 110*	*10/12/12 12:13*	*10/13/12 15:40*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 110*	*10/12/12 12:13*	*10/13/12 15:40*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*23 - 110*	*10/12/12 12:13*	*10/13/12 15:40*	*1*
Nitrobenzene-d5 (Surr)	*67*		*28 - 110*	*10/12/12 12:13*	*10/13/12 15:40*	*1*
Phenol-d5 (Surr)	*52*		*21 - 110*	*10/12/12 12:13*	*10/13/12 15:40*	*1*
Terphenyl-d14 (Surr)	*75*		*48 - 110*	*10/12/12 12:13*	*10/13/12 15:40*	*1*

Lab Sample ID: LCS 240-61174/12-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 61236 | **Prep Batch: 61174**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0610		mg/L		76	48 - 110
2,4,5-Trichlorophenol	0.0800	0.0595		mg/L		74	51 - 110
2,4,6-Trichlorophenol	0.0800	0.0612		mg/L		77	46 - 110
2,4-Dinitrotoluene	0.0800	0.0634		mg/L		79	54 - 110
Hexachlorobenzene	0.0800	0.0616		mg/L		77	50 - 110
Hexachlorobutadiene	0.0800	0.0598		mg/L		75	34 - 110
Hexachloroethane	0.0800	0.0622		mg/L		78	41 - 110
3 & 4 Methylphenol	0.160	0.111		mg/L		69	48 - 110
2-Methylphenol	0.0800	0.0572		mg/L		72	44 - 111
Nitrobenzene	0.0800	0.0623		mg/L		78	40 - 110
Pentachlorophenol	0.0800	0.040	U	mg/L		21	12 - 110
Pyridine	0.0800	0.0538		mg/L		67	30 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*70*		*30 - 110*
2-Fluorophenol (Surr)	*58*		*20 - 110*
2,4,6-Tribromophenol (Surr)	*74*		*23 - 110*
Nitrobenzene-d5 (Surr)	*73*		*28 - 110*
Phenol-d5 (Surr)	*47*		*21 - 110*
Terphenyl-d14 (Surr)	*76*		*48 - 110*

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

Lab Sample ID: MB 240-60640/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61083 — **Prep Batch: 60640**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	33	U	33	ug/Kg		10/09/12 11:11	10/12/12 11:21	1
Aroclor-1221	33	U	33	ug/Kg		10/09/12 11:11	10/12/12 11:21	1
Aroclor-1232	33	U	33	ug/Kg		10/09/12 11:11	10/12/12 11:21	1
Aroclor-1242	33	U	33	ug/Kg		10/09/12 11:11	10/12/12 11:21	1
Aroclor-1248	33	U	33	ug/Kg		10/09/12 11:11	10/12/12 11:21	1
Aroclor-1254	33	U	33	ug/Kg		10/09/12 11:11	10/12/12 11:21	1
Aroclor-1260	33	U	33	ug/Kg		10/09/12 11:11	10/12/12 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*154*	*X*	*29 - 151*	*10/09/12 11:11*	*10/12/12 11:21*	*1*
DCB Decachlorobiphenyl	*117*		*14 - 163*	*10/09/12 11:11*	*10/12/12 11:21*	*1*

Lab Sample ID: LCS 240-60640/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61424 — **Prep Batch: 60640**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	333	276		ug/Kg		83	62 - 120
Aroclor-1260	333	252		ug/Kg		75	56 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*75*		*29 - 151*
DCB Decachlorobiphenyl	*82*		*14 - 163*

Lab Sample ID: 240-15987-1 MS — **Client Sample ID: SO-52222-100412-JV-724**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61424 — **Prep Batch: 60640**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	34	U	349	260		ug/Kg	☼	75	22 - 157
Aroclor-1260	34	U	349	236		ug/Kg	☼	67	13 - 161

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*114*		*29 - 151*
DCB Decachlorobiphenyl	*380*	*X*	*14 - 163*

Lab Sample ID: 240-15987-1 MSD — **Client Sample ID: SO-52222-100412-JV-724**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61424 — **Prep Batch: 60640**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	34	U	346	281		ug/Kg	☼	81	22 - 157	8	30
Aroclor-1260	34	U	346	259		ug/Kg	☼	75	13 - 161	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*123*		*29 - 151*
DCB Decachlorobiphenyl	*102*		*14 - 163*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-60856/2-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61104 — **Prep Batch: 60856**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	mg/L		10/10/12 14:46	10/11/12 11:50	1
Barium	10	U	10	mg/L		10/10/12 14:46	10/11/12 11:50	1
Cadmium	0.10	U	0.10	mg/L		10/10/12 14:46	10/11/12 11:50	1
Chromium	0.50	U	0.50	mg/L		10/10/12 14:46	10/11/12 11:50	1
Lead	0.50	U	0.50	mg/L		10/10/12 14:46	10/11/12 11:50	1
Selenium	0.25	U	0.25	mg/L		10/10/12 14:46	10/11/12 11:50	1
Silver	0.50	U	0.50	mg/L		10/10/12 14:46	10/11/12 11:50	1

Lab Sample ID: LCS 240-60856/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61104 — **Prep Batch: 60856**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	1.99		mg/L		100	50 - 150
Barium	2.00	10	U	mg/L		103	50 - 150
Cadmium	0.0500	0.10	U	mg/L		100	50 - 150
Chromium	0.200	0.50	U	mg/L		101	50 - 150
Lead	0.500	0.50	U	mg/L		99	50 - 150
Selenium	2.00	2.04		mg/L		102	50 - 150
Silver	0.0500	0.50	U	mg/L		102	50 - 150

Lab Sample ID: LB 240-60717/1-E LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 61104 — **Prep Batch: 60856**

Analyte	LB Result	LB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	mg/L		10/10/12 14:46	10/11/12 11:44	1
Barium	10	U	10	mg/L		10/10/12 14:46	10/11/12 11:44	1
Cadmium	0.10	U	0.10	mg/L		10/10/12 14:46	10/11/12 11:44	1
Chromium	0.50	U	0.50	mg/L		10/10/12 14:46	10/11/12 11:44	1
Lead	0.50	U	0.50	mg/L		10/10/12 14:46	10/11/12 11:44	1
Selenium	0.25	U	0.25	mg/L		10/10/12 14:46	10/11/12 11:44	1
Silver	0.50	U	0.50	mg/L		10/10/12 14:46	10/11/12 11:44	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-60854/2-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61184 — **Prep Batch: 60854**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	mg/L		10/10/12 16:15	10/12/12 14:48	1

Lab Sample ID: LCS 240-60854/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61184 — **Prep Batch: 60854**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00525		mg/L		105	50 - 150

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 240-60717/1-D LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 61184 — **Prep Batch: 60854**

Analyte	LB Result	LB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020		mg/L		10/10/12 16:15	10/12/12 14:46	1

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 240-61030/1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61030

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Flashpoint			81.0	82.0		Degrees F		101	97 - 103		

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-60832/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60864 — **Prep Batch: 60832**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.49	U	0.49		mg/Kg		10/10/12 13:05	10/10/12 14:33	1

Lab Sample ID: LCS 240-60832/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60864 — **Prep Batch: 60832**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			2.47	1.91		mg/Kg		78	68 - 123		

Lab Sample ID: 240-15987-1 MS — **Client Sample ID: SO-52222-100412-JV-724**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60864 — **Prep Batch: 60832**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.53	U	2.08	2.25		mg/Kg	☼	108	50 - 134		

Lab Sample ID: 240-15987-1 MSD — **Client Sample ID: SO-52222-100412-JV-724**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60864 — **Prep Batch: 60832**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.53	U	2.08	2.19		mg/Kg	☼	105	50 - 134	3	20

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 240-60463/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60532 — **Prep Batch: 60463**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	30	U	30		mg/Kg		10/08/12 08:09	10/08/12 13:09	1

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: LCS 240-60463/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60532 — **Prep Batch: 60463**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			85.7	66.9		mg/Kg		78	70 - 130		

Lab Sample ID: 240-15987-1 MS — **Client Sample ID: SO-52222-100412-JV-724**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60532 — **Prep Batch: 60463**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	31	U	89.2	57.2		mg/Kg	☼	64	10 - 154		

Lab Sample ID: 240-15987-1 MSD — **Client Sample ID: SO-52222-100412-JV-724**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60532 — **Prep Batch: 60463**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	31	U	89.6	61.6		mg/Kg	☼	69	10 - 154	7	20

Method: 9045C - pH

Lab Sample ID: LCS 240-60403/2 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60403

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Corrosivity			7.49	7.490		SU		100	97 - 103		

Lab Sample ID: 240-15987-1 DU — **Client Sample ID: SO-52222-100412-JV-724**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60403

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Corrosivity	8.00			8.250		SU				3	20

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(80-121)	(70-124)	(90-115)	(84-128)
LCS 240-61207/10	Lab Control Sample	121	99	113	124

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(80-121)	(70-124)	(90-115)	(84-128)
240-15987-1	SO-52222-100412-JV-724	113	96	108	122
LB 240-61101/1-A MB	Method Blank	113	96	107	121

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(30-110)	(20-110)	(23-110)	(28-110)	(21-110)	(48-110)
LCS 240-61174/12-A	Lab Control Sample	70	58	74	73	47	76
MB 240-61174/11-A	Method Blank	65	61	67	67	52	75

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(30-110)	(20-110)	(23-110)	(28-110)	(21-110)	(48-110)
240-15987-1	SO-52222-100412-JV-724	72	69	74	70	62	86

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	**Client Sample ID**	**TCX2 (29-151)**	**DCB2 (14-163)**								
240-15987-1	SO-52222-100412-JV-724	108	241 X								
240-15987-1 MS	SO-52222-100412-JV-724	114	380 X								
240-15987-1 MSD	SO-52222-100412-JV-724	123	102								
LCS 240-60640/23-A	Lab Control Sample	75	82								
MB 240-60640/22-A	Method Blank	154 X	117								

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

Client Sample ID: SO-52222-100412-JV-724

Lab Sample ID: 240-15987-1

Date Collected: 10/04/12 08:10

Matrix: Solid

Date Received: 10/05/12 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			61101	10/11/12 18:00	BF	TAL NC
TCLP	Analysis	8260B		1	61207	10/13/12 01:00	TL	TAL NC
TCLP	Leach	1311			60717	10/09/12 17:20	DJ	TAL NC
TCLP	Prep	3510C			61174	10/12/12 12:13	BM	TAL NC
TCLP	Analysis	8270C		1	61236	10/13/12 22:55	MU	TAL NC
Total/NA	Prep	3540C			60640	10/09/12 11:11	AC	TAL NC
Total/NA	Analysis	8082		1	61424	10/16/12 07:10	LH	TAL NC
TCLP	Leach	1311			60717	10/09/12 17:20	DJ	TAL NC
TCLP	Prep	3010A			60856	10/10/12 14:46	SG	TAL NC
TCLP	Analysis	6010B		1	61104	10/11/12 13:35	BD	TAL NC
TCLP	Prep	7470A			60854	10/10/12 16:15	SG	TAL NC
TCLP	Analysis	7470A		1	61184	10/12/12 15:23	DH	TAL NC
Total/NA	Analysis	9045C		1	60403	10/06/12 10:41	BW	TAL NC
Total/NA	Analysis	Moisture		1	60483	10/08/12 10:04	JK	TAL NC
Total/NA	Prep	9030B			60463	10/08/12 08:09	BW	TAL NC
Total/NA	Analysis	9034		1	60532	10/08/12 13:19	BW	TAL NC
Total/NA	Prep	9012A			60832	10/10/12 13:05	CN	TAL NC
Total/NA	Analysis	9012A		1	60864	10/10/12 14:37	CN	TAL NC
Total/NA	Analysis	1010		1	61030	10/11/12 12:30	TH	TAL NC

Laboratory References:

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

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 52222, Cork Street

TestAmerica Job ID: 240-15987-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAC	3	68-00340	08-31-13
Texas	NELAC	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-13
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12
Wisconsin	State Program	5	999518190	08-31-13

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. PL-09959
PAGE 1 OF 1
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 52222
Laboratory Name: Test America
Lab Location: N. Canton, OH
SSOW ID:
Project Name: Cork St Landfill
Lab Contact: Denise Heckler
Lab Quote No:
Cooler No:
Project Location: Kalamazoo
Carrier: FedEx
Chemistry Contact: Paul Wiseman
Airbill No:
Sampler(s): Jon Valentine
Date Shipped: 10-4-12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	TCLP VOC's	TCLP metals	Ignitability	Corrosivity	Total Cyanide	Total Sulfide	TCLP Prep	PCBs	TCLP SVOC's	MS/MSD Request	Comments/ Special Instructions:
1	SO-52222-100412-JV-724	10-4-12	0810	SO	C	X								2	X	X	X	X	X	X	X	X	X		
2																									
3																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 2
All Samples in Cooler must be on COC

Notes/ Special Requirements: DRum ONSite

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Jon Valentine	CRA	10-4-12	1630	1. Terrell	TAC	10/5/12	9:20
				2.			
				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 15987

Client CRA Site Name _____ By: Terrell [signature] (Signature)

Cooler Received on 10-5-12 Opened on 10-5-12

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 4G	(CF –1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	Multiple
IR GUN# 5G	(CF –1°C)	Observed Sample Temp. 4.8 °C	Corrected Sample Temp. 3.8 °C	on Back
IR GUN# 8	(CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	

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

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-15987-1

Login Number: 15987

List Source: TestAmerica Canton

List Number: 1

Creator: Livengood, Chris

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

APPENDIX C

STRATIGRAPHIC AND INSTRUMENTATION LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: BARHOLE 1
DATE COMPLETED: September 28, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	
	TOPSOIL	0.50						
	SP-SAND, some silt, trace fine to coarse gravel, fine grained, brown	3.50	BACKFILLED WITH BENTONITE CHIPS					
	SP-SAND, trace fine to coarse gravel, light brown	6.00						
	END OF BOREHOLE @ 6.0ft BGS							

2
4
6
8
10
12
14

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: BARHOLE 2
DATE COMPLETED: September 26, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL	0.40						
	SP-SAND, some fine to coarse gravel, trace silt, fine to medium grained, brown		BACKFILLED WITH BENTONITE CHIPS					0.0
2								
	SP-SAND, trace grave, fine grained, light brown	3.00						0.0
4								0.0
	END OF BOREHOLE @ 5.0ft BGS	5.00						
6								
8								
10								
12								
14								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-10
DATE COMPLETED: September 25, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL	0.80	CONCRETE					
	SP-SAND, some fine to coarse gravel, trace silt, medium grained, brown		BENTONITE CHIPS					0.0
2			3/4" PVC WELL CASING					
								0.0
			3" BOREHOLE					
4								
	- some clay from 4.5 to 5.0ft BGS		SAND PACK					
								0.0
6	- clay, dark brown from 6.0 to 6.5ft BGS		3/4" PVC WELL SCREEN					
	- coarse sand, brown at 6.5ft BGS		WELL DETAILS Screened interval: 5.50 to 6.50ft BGS Length: 1ft Diameter: 0.8in Slot Size: 0.010 Material: PVC Seal: 0.50 to 4.00ft BGS Material: BENTONITE CHIPS *Sand Pack:* 4.00 to 6.50ft BGS Material: SAND					0.0
8	- wet at 8.0ft BGS							
								0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00						
12								
14								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-11
DATE COMPLETED: September 25, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL	0.50	CONCRETE					
	SP-SAND, some silt, trace gravel, brown		BENTONITE CHIPS					0.0
2								
			3/4" PVC WELL CASING					0.0
4								
	- increase in gravel content at 5.0ft BGS		3" BOREHOLE					0.0
6								
								0.0
8								
			SAND PACK					0.0
10			3/4" PVC WELL SCREEN					
								0.0
12	- wet at 12.0ft BGS							
	CL-CLAY, soft, medium plasticity, gray, moist	13.00						0.0
14								0.0
	END OF BOREHOLE @ 15.0ft BGS	15.00						
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS
Screened interval:
10.00 to 11.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 9.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
9.00 to 11.00ft BGS
Material: SAND

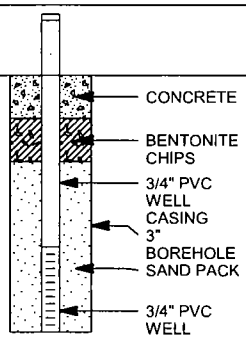
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-12
DATE COMPLETED: September 25, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	CL-CLAY, brown	0.40						
	SP-SAND, some gravel, trace silt, fine to coarse gravel, medium grained, brown,	4.20						0.1
2								
								0.0
4	CL-CLAY, some medium sand, dark brown - wet at 4.5ft BGS	5.50						0.0
6	CL-SANDY CLAY, medium grained, dark brown							
								0.0
8								
								0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00						
12								
14								



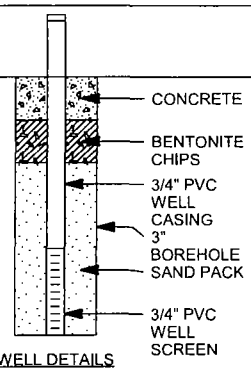
WELL DETAILS
Screened interval:
2.00 to 3.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 1.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
1.00 to 3.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-13
DATE COMPLETED: September 25, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	SP-SAND, fine to medium grained, brown							
	SP-SANd, trace clay, trace silt, trace fine to coarse gravel, brown	1.00						0.0
2								0.0
4	CL-CLAY, some medium sand, trace fine to medium gravel, brown - gray, wet at 4.5ft BGS	4.00						0.0
	END OF BOREHOLE @ 5.0ft BGS	5.00						
6								
8								
10								
12								
14								

WELL DETAILS
Screened interval:
2.00 to 3.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 1.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
1.00 to 3.00ft BGS
Material: SAND

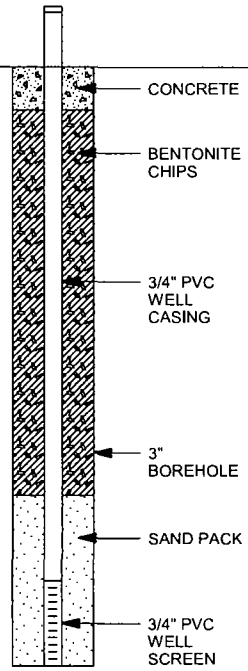
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-14
DATE COMPLETED: September 25, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL	0.80	CONCRETE					
	SM-SILTY SAND, fine to medium grained, light brown	1.80	BENTONITE CHIPS					0.0
2	SP-SAND, some clay, trace silt, trace fine to coarse gravel, brown	4.30	3/4" PVC WELL CASING					0.0
4	CL-SILTY CLAY, trace fine sand, gray	7.00	3" BOREHOLE					0.0
6	CL-SANDY CLAY, trace fine to coarse gravel, gray	10.00	SAND PACK					0.0
8	- wet at 8.5ft BGS		3/4" PVC WELL SCREEN					0.0
10	END OF BOREHOLE @ 10.0ft BGS							
12								
14								



WELL DETAILS
Screened interval:
6.00 to 7.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 5.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
5.00 to 7.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-15
DATE COMPLETED: September 25, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL	0.30	CONCRETE					
	SP-SAND, some coarse to fine gravel, trace silt, medium grained, brown		BENTONITE CHIPS					0.0
2			3/4" PVC WELL CASING					
			3" BOREHOLE					
	CL-SANDY CLAY, trace fine to coarse gravel, medium grained, hard, brown	2.80	SAND PACK					0.0
4			3/4" PVC WELL SCREEN					
	CL-CLAY, trace fine sand, gray	5.00						0.0
6								
								0.0
	- wet at 7.6ft BGS							
8								
								0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00						
12								
14								

WELL DETAILS
Screened interval:
3.50 to 4.50ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 2.50ft BGS
Material: BENTONITE CHIPS
Sand Pack:
2.50 to 4.50ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-16
DATE COMPLETED: September 26, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	CL-CLAY, trace gravel, dark brown		CONCRETE; BENTONITE CHIPS; 3/4" PVC WELL CASING; 3" BOREHOLE; SAND PACK; 3/4" PVC WELL SCREEN					0.0
2								
								0.0
4								
	SP-SAND, trace fine to coarse gravel, dark brown	4.50	WELL DETAILS Screened interval: 3.50 to 4.50ft BGS Length: 1ft Diameter: 0.8in Slot Size: 0.010 Material: PVC Seal: 0.50 to 2.50ft BGS Material: BENTONITE CHIPS Sand Pack: 2.50 to 4.50ft BGS Material: SAND					0.0
	SM-SILTY SAND, fine grained, dark brown	5.70						
6								
	CL-SANDY CLAY, soft, brown - wet at 7.5ft BGS	7.00						0.0
8								
	SP-SAND, fine grained, wet	9.00						0.2
10	END OF BOREHOLE @ 10.0ft BGS	10.00						
12								
14								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-17
DATE COMPLETED: September 27, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL	0.80	CONCRETE					0.0
	CL-CLAY, some fine sand, trace fine to coarse gravel, brown	1.70	BENTONITE CHIPS					0.0
2	SP-SAND, some gravel, fine grained, gray	2.10						
	CL-CLAY, some fine sand, some fine gravel, brown	3.20	3/4" PVC WELL CASING					1.5
4	DEBRIS, wood, sand, gravel mixed		3" BOREHOLE					1.8
6								3.5
8								3.1
10								1.2
12	- some slag, brick and metal at 12.0ft BGS							1.2
14								0.9
16								0.4
18			SAND PACK					0.7
20			3/4" PVC WELL SCREEN					0.2
22								0.5
24	- wet at 25.0ft BGS							0.2
26								0.3
28								
30	END OF BOREHOLE @ 30.0ft BGS	30.00						
32								
34								

WELL DETAILS
Screened interval:
20.00 to 21.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 19.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
19.00 to 21.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

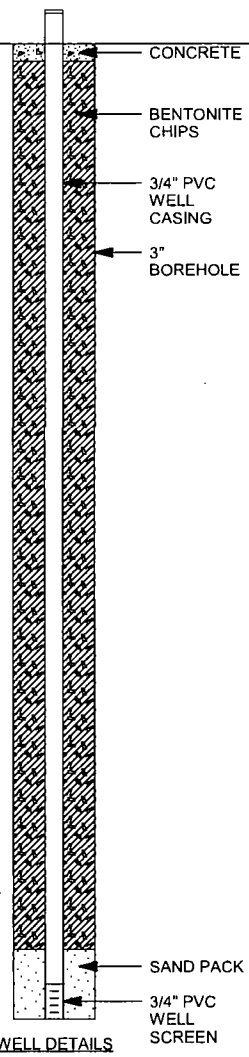
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-18
DATE COMPLETED: September 27, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
	SP-SAND, some fine to coarse gravel, medium to coarse grained, light brown	
	CL-CLAY, some silt, trace gravel, light gray	1.50
	DEBRIS, some sand and gravel, paper, card bard, wood, black	5.00
	- brick, concrete at 18.0ft BGS	
	CL-CLAY, gravel, sand, dark brown, black	19.20
	CINDER/SAND, trace gravel, fine grained, light brown	23.50
	CL-SANDY CLAY (native), trace gravel, fine to medium grained, light brown	24.20
	- damp at 30.0ft BGS	
	- gray, damp at 34.0ft BGS	
	END OF BOREHOLE @ 35.0ft BGS	35.00

GAS PROBE



WELL DETAILS
Screened interval:
27.00 to 28.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 26.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
26.00 to 28.00ft BGS
Material: SAND

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
				0.0
				0.0
				5.2
				7.9
				6.9
				7.2
				6.1
				6.8
				1.9
				0.3
				0.4
				0.9
				0.5
				0.2
				0.0
				0.0
				0.0
				0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-19
DATE COMPLETED: September 27, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL	0.50	CONCRETE					
2	SP-SAND, some fine to coarse gravel, trace silt, fine to medium grained, brown		BENTONITE CHIPS					0.0
4			3/4" PVC WELL CASING					0.0
6	NO RECOVERY	5.00	3" BOREHOLE					0.0
8								–
10	GP-GRAVEL, some fine to coarse sand, fine to coarse grained, brown	10.00						–
12			SAND PACK					0.0
14			3/4" PVC WELL SCREEN					0.0
16								0.0
18	- wet at 17.5ft BGS							0.0
20	END OF BOREHOLE @ 20.0ft BGS	20.00						0.0
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS
Screened interval:
13.00 to 14.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 12.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
12.00 to 14.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-20
DATE COMPLETED: September 27, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL	0.90	CONCRETE					0.0
	SP-SAND, fine grained, light brown	1.30						
2	CL-CLAY, trace fine to coarse gravel, mottled gray, brown	2.10	BENTONITE CHIPS					0.0
	CL-SANDY CLAY							
4		4.80	3/4" PVC WELL CASING					0.0
	SP-SAND, some fine to coarse gravel, fine to coarse grained, brown							
6			3" BOREHOLE					0.0
8	GP-GRAVEL, some fine to coarse sand, fine to coarse grained, gray/brown	7.80						0.0
10		10.90						0.0
	SP-SAND, some fine to coarse gravel, fine to coarse grained, gray, brown							
12			SAND PACK					0.0
14			3/4" PVC WELL SCREEN					0.0
16								0.0
	- wet at 17.5ft BGS							
18	ML-SILT, trace fine sand	18.00						0.0
20	END OF BOREHOLE @ 20.0ft BGS	20.00						
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS
Screened interval:
13.00 to 14.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 12.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
12.00 to 14.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-21
DATE COMPLETED: September 27, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL	0.50	CONCRETE					0.0
2	SP-SAND, some fine to coarse gravel, fine to coarse grained, brown - light brown at 1.1ft BGS	2.20	BENTONITE CHIPS					0.0
4	CL-CLAY, some fine to coarse sand, trace fine to coarse gravel, dark brown	4.80	3/4" PVC WELL CASING					0.0
6	SP-SAND, some fine to coarse gravel, fine to medium grained, light brown	6.00	3" BOREHOLE					0.0
8	CL-CLAY, some fine sand, trace gravel, gray, brown - light brown at 7.4ft BGS							0.0
10	ML-SILT, trace fine gravel, hard, light brown	10.00	SAND PACK					0.0
12			3/4" PVC WELL SCREEN					0.0
14								0.0
16	- soft, gray, damp at 16.0ft BGS							0.0
18								0.0
20	END OF BOREHOLE @ 20.0ft BGS	20.00						
22								
24								
26								
28								
30								
32								
34								

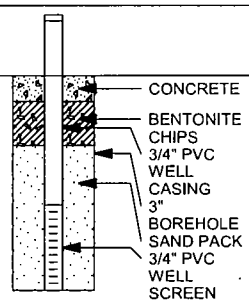
WELL DETAILS
Screened interval:
12.00 to 13.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 11.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
11.00 to 13.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-22
DATE COMPLETED: September 28, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
	TOPSOIL	0.70					
	SP-SAND, trace fine to medium gravel, medium grained, brown	1.20					
2	CL-SANDY CLAY, trace fine to coarse gravel, fine to medium grained, dark brown	3.00					
4	SP-SAND, some fine to medium gravel, fine to medium grained, light brown - wet at 3.5ft BGS	5.00					
	END OF BOREHOLE @ 5.0ft BGS						
6							
8							
10							
12							
14							

WELL DETAILS
Screened interval:
1.50 to 2.50ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.30 to 0.80ft BGS
Material: BENTONITE CHIPS
Sand Pack:
0.80 to 2.50ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: GP-9
DATE COMPLETED: September 28, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	GAS PROBE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOPSOIL		CONCRETE					
	SP-SAND, trace fine to coarse gravel, fine to *medium grained, light brown*	0.50	BENTONITE CHIPS					0.0
2			3/4" PVC WELL CASING					0.0
			3" BOREHOLE					
4	CL-SILTY CLAY, trace fine sand, trace fine to coarse gravel, brown	4.20	SAND PACK					0.0
			3/4" PVC WELL SCREEN					
6								0.0
8	- wet at 8.0ft BGS							
	SP-SAND, some fine to coarse gravel, fine to coarse grained, brown, wet	8.50						0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00						
12								
14								

WELL DETAILS
Screened interval:
5.00 to 6.00ft BGS
Length: 1ft
Diameter: 0.8in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 4.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
4.00 to 6.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: M-1-12
DATE COMPLETED: September 26, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34	SP-SAND, some fine to coarse grained, fine to medium grained, brown		CONCRETE; BENTONITE CHIPS; 2" PVC WELL CASING; 4" BOREHOLE; SAND PACK; 2" PVC WELL SCREEN				
	SP-SAND, medium grained, light brown	4.00					
	CL-SANDY CLAY, trace fine gravel, medium grained, dark brown	6.00					
	SP-SAND, fine to medium grained, light brown	11.00					
	END OF BOREHOLE @ 19.0ft BGS	19.00					

WELL DETAILS
Screened interval:
16.00 to 19.00ft BGS
Length: 3ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 14.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
14.00 to 19.00ft BGS
Material: SAND

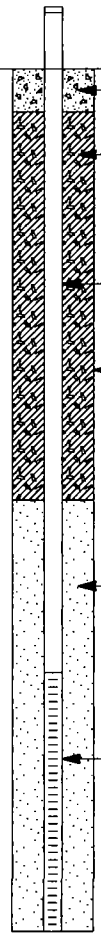
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: CORK STREET LANDFILL SUPERFUND SITE
PROJECT NUMBER: 052222
CLIENT: CITY OF KALAMAZOO
LOCATION: CORK STREET LANDFILL-EAST

HOLE DESIGNATION: W-3-12
DATE COMPLETED: September 26, 2012
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. HARGENS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
2	SP-SAND, some coarse to fine gravel, dark brown		CONCRETE; BENTONITE CHIPS; 2" PVC WELL CASING; 4" BOREHOLE				
4	CL-CLAY, some sand and gravel, dark brown	4.50					
	CL-SANDY CLAY, light brown	5.00	SAND PACK				
6	CL-CLAY, soft, light gray	7.00					
	CL-SANDY CLAY, soft, gray - wet at 8.0ft BGS	7.50	2" PVC WELL SCREEN				
8							
10	END OF BOREHOLE @ 10.0ft BGS	10.00					
12							
14							



WELL DETAILS
Screened interval:
7.00 to 10.00ft BGS
Length: 3ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
0.50 to 5.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
5.00 to 10.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE