SUPPLEMENTAL SITE-WIDE INVESTIGATIONS REPORT

FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

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1.0 INTRODUCTION

This report presents the results of the Supplemental Site-Wide Investigations conducted in December 2011 and April and May 2012 by Conestoga-Rovers & Associates (CRA) at the RACER Trust Fairfax I Site in Kansas City, Kansas (Site). Figure 1.1 presents the general location of the Site. CRA completed the investigations for the Revitalizing Auto Communities Environmental Response Trust (RACER) [formerly known as Motors Liquidation Company (MLC) and General Motors Corporation (GM Corp.)]. The overall purpose of the investigative studies was to address a limited number of uncertainties in the understanding of soil and groundwater contamination at the Site as a whole. The investigation activities were conducted in accordance with the protocols detailed in the CRA document entitled *Revised Work Plan for Supplemental Site-Wide Investigations* (CRA, March 2012).

The Site has a long history of investigations (since the late 1980s) and remedial activities. These were performed under a variety of regulatory oversight by the Kansas Department of Health and Environment (KDHE) and in anticipation of the sale of distinct land parcels under the KDHE Voluntary Cleanup and Property Redevelopment Program (VCPRP). As a result of the over 25 years of studies at this Site, there is a wealth of information on Site conditions and on areas which need further remediation in order to meet KDHE standards.

Meetings between KDHE and MLC representatives in 2009 resulted in the identification of five Areas of Concern (AOC) which required further investigation and/or remediation. Additionally, meetings and correspondence with the KDHE in 2011 and 2012 confirmed the need for additional soil and groundwater sampling in the previously identified AOCs. The AOCs are as follows:

- The area around soil boring S-8
- The area around soil boring SB-110
- The area around temporary monitoring well TMW-127
- The area around monitoring well MW-103A
- The area around temporary monitoring well TMW-130

The locations of the AOCs are identified on Figure 1.2. The first three areas (S-8, SB-110, and TMW-127) required further investigations to determine if remediation will be necessary. The last two areas (TMW-130 and MW-103A) have been extensively studied, and remediation is planned for both of these AOCs. However, additional information was needed to support evaluation of various remedial alternatives at each area.

Therefore, additional soil sampling and analyses were proposed at the MW-103A and TMW-130 areas.

Monitoring well locations are presented on Figure 1.3 and soil boring locations are presented on Figure 1.4.

1.1 SITE LOCATION

The former Fairfax I Site is located at 100 Kindelberger Road in Kansas City, Kansas in an industrial area known as the Fairfax District. To the west and south of the Site are industrial facilities, including industrial operations, chemical companies, and refining and pipeline facilities. The Site is located south of a bend in the Missouri River, with the river located north, east, and southeast of the Site. A levee is present between the Site and the Missouri River (Figure 1.1). The active automobile assembly Fairfax II Plant is located to the southeast of the Site, between the Site and the Missouri River.

1.2 SITE HISTORY

The Fairfax I Plant consisted of several buildings, a tank farm, rail support, and drum storage areas. The assembly building and former aircraft hangar provided over 2.2 million square feet of covered work area. The U.S. Government constructed the Fairfax I Plant in 1940 for North American Aviation. North American Aviation assembled B-25 bombers at the facility through 1944 for use in World War II. In 1945, GM negotiated a lease for this facility from the U.S. Government and began assembling automobiles. During the Korean conflict GM Corp. assembled F84F jet aircraft in addition to continuing to assemble automobiles. GM Corp. purchased the facility from the U.S. Government in 1960 and continued automobile assembly operations until 1986/1987.

The Fairfax I Site is vacant. Operations at the facility ceased in 1986/87, and the facility was demolished in 1987. All structures were taken down to the ground surface and current land is undeveloped.

The original Site property, that associated with the former Fairfax I Plant operations, covered over 107 acres. The western portion of the property, which covered approximately 16 acres and is referred to as "Tract 2", was sold to a third party. The property associated with Tract 2 was entered into the VCPRP and received a No Further Action Letter from the KDHE in February 2007. The remaining Site property,

approximately 91 acres, was also entered into the KDHE VCPRP but is now under the KDHE State Cooperative Program and is no longer in the VCPRP.

In the past, GMC had marketed and positioned for sale a number of different parcels of land associated with the original Fairfax I Plant property. This included a "Tract 1" parcel which was located on the eastern portion of the original Site. This Tract 1 parcel has not been sold as of the date of this Report and remains part of the overall 91 acres of the RACER Site property.

1.3 SITE GEOLOGY AND HYDROGEOLOGY

The Site is located in the floodplain of the Missouri River. Underlying Site geology typically consists of an upper layer of silty clay ranging in thickness from approximately 7 to 15 feet. This silty clay is underlain by fine to medium sands to depths of 25 to 40 feet, which grade into medium to coarse sands with some gravel and clay interbeds to depths of 60 to 80 feet. This interbedded layer is underlain by medium to coarse sands and gravels to the top of the bedrock. The thick sequence of sands and gravels comprise alluvial deposits that are underlain by shale bedrock at approximately 102 to 117 feet below grade. The present Missouri River channel follows a deeper valley cut into the bedrock by the ancestral Missouri River.

Groundwater flows beneath the Site area within a fining upward sequence of alluvial sands and gravels. Groundwater flow direction is seasonal and is dependent on precipitation events and the stage of the Missouri River. In general, groundwater flow direction is to the north and east, toward the Missouri River, in the fall and to the south and west, away from the Missouri River, in the spring. Significant vertical hydraulic gradients do not exist between deep and shallow groundwater zones, as water levels are similar in deep and shallow monitoring wells.

1.4 HISTORIC DATA

Summary tables indicating the soil and groundwater exceedences identified during the previous investigations are provided in Appendix A.

In preparation for demolishing the Fairfax I Plant buildings, HDR Engineering, Inc. (HDR) performed an Environmental Site Assessment (ESA) between August 1987 and January 1988. The ESA was designed to determine potential impacts to soil and

groundwater. The MW-103A area was subject to remediation using soil vapor extraction from 1991 to 1994.

CRA completed a comprehensive groundwater sampling event for GM in October 1998. In 2003, the KDHE requested that GM perform a confirmatory soil and groundwater investigation to address uncertainties remaining from the 1987/1988 studies. The confirmatory investigations were completed by CRA in a number of stages from 2004 to 2006.

2.0 INVESTIGATIVE PROTOCOLS

Specific activities performed during this investigation are detailed in this section. General field protocols, sample collection and handling, documentation procedures, and laboratory protocols detailed in the Sampling and Analysis Plan (SAP) provided in Appendix B of the Work Plan were adhered to during the investigative activities.

2.1 BOREHOLE ADVANCEMENT

Soil borings from which soil samples were collected for laboratory analysis were advanced using direct push technology (DPT) (i.e., Geoprobe). During borehole advancement, continuous soil samples were collected, visually inspected, and field screened using a photoionization detector (PID) and headspace screening techniques. Field screening was accomplished by placing a representative aliquot of soil into a zip lock bag. A headspace reading was obtained by inserting the tip of the PID into the bag. PID readings were recorded in the field book. Soil samples were described and classified according to the Unified Soil Classification System (USCS).

For soil borings with target compound list volatile organic compounds (TCL VOCs) analysis, soil sample selection was based on headspace screening results and observations of visual or olfactory evidence of contamination.

Soil samples submitted for laboratory analysis of VOCs were collected using Terra Core samplers. Soil samples submitted for laboratory analysis of geotechnical parameters were collected in Shelby tubes. Soil samples submitted for laboratory analysis of fraction of organic carbon (Foc) and waste profile parameters were collected in laboratory supplied sample jars.

At soil boring locations where a soil sample was to be collected for laboratory analysis and a monitoring well was to be installed, the soil boring was advanced using DPT. The monitoring well was then blind drilled using 4¼ inch inside diameter hollow stem augers (HSAs).

Monitoring well boreholes from which no soil samples were collected for laboratory analysis were blind drilled using 4¼ inch inside diameter HSAs.

Soil borings in which a monitoring well was not installed were abandoned by filling the borehole with cement/bentonite grout. The grout was placed in the borehole using a

tremie pipe placed in the bottom of the borehole. The abandoned boreholes were topped with soil or sand.

2.2 MONITORING WELL INSTALLATION

Temporary and permanent monitoring wells were blind drilled using 4¼ inch inside diameter HSAs.

Boreholes for the shallow temporary monitoring wells were advanced to approximately 27 feet below ground surface (bgs). The wells were constructed of 10-foot lengths of 2-inch diameter polyvinyl chloride (PVC) No. 10 slot screen set to straddle the water table interface, and sufficient lengths of 2-inch diameter PVC riser to extend above the surface. The borehole annulus was backfilled with sand to a minimum of 2 feet above the top of the well screen. The annular space above the sand was filed with bentonite chips to within a foot of the surface and topped with sand. The wellhead was fitted with a locking, watertight protective cover.

The borehole for the deeper permanent monitoring well was advanced to approximately 60 feet bgs. The well was constructed of a 10-foot length of 2-inch diameter PVC No. 10 slot screen set and sufficient lengths of 2-inch diameter PVC riser to extend above the surface. The borehole annulus was backfilled with sand to a minimum of 2 feet above the top of the well screen. A 2-foot bentonite chip seal was installed on top of the filter pack. The annular space was then filled with cement/bentonite grout. An above ground protective cover was installed and cemented in place. The wellhead was fitted with a locking, watertight protective cover.

2.3 MONITORING WELL DEVELOPMENT

Following installation, monitoring wells were developed to establish good hydraulic communication with the aquifer and to reduce the amount of suspended sediment in the well. Each well was surged for 10 minutes prior to purging with a downhole stainless steel pump.

2.4 GROUNDWATER SAMPLING

Groundwater samples were collected from each monitoring well for laboratory analysis using slow purging/minimal disturbance low flow protocols. Groundwater samples

were collected using disposable polyethylene tubing and a peristaltic pump or a stainless steel submersible pump. Prior to sampling, groundwater was purged from the monitoring wells and field measurements of stabilization parameters were obtained with field instruments.

2.5 HYDRAULIC MONITORING

The depth to water or to Light Non-Aqueous Phase Liquid (LNAPL), if present, was measured in each well to the nearest 0.01 foot using a pre-cleaned electronic water level meter or oil/water interface meter and recorded in the field logbook.

2.6 WASTE HANDLING

Soil cuttings and monitoring well development, purge, and decontamination water were containerized in 55-gallon drums. The drums were staged on Site pending characterization and disposal. Composite samples were collected from soil drums and from water drums for waste characterization analysis.

3.0 FIELD ACTIVITIES

Subsurface utilities were cleared by Kantex Companies of Olathe, Kansas prior to the start of drilling. Anderson Survey Company (Anderson) of Lee's Summit, Missouri staked the proposed locations for the soil borings and monitoring wells. Larsen & Associates, Inc. (Larsen) of Lawrence, Kansas provided direct push (i.e., Geoprobe) and hollow stem auger (HSA) drilling services. TestAmerica of North Canton, Ohio provided laboratory analytical services for the December 2011 groundwater samples. Pace Analytical Services, Inc. (Pace) of Lenexa, Kansas provided laboratory analytical services for the April and May 2012 soil and groundwater samples. Anderson also surveyed the new soil borings and monitoring wells for location and elevation after installation. Locations were referenced to the Plant Grid Coordinate System.

The soil and groundwater investigations for each of the five AOCs were performed in April and May of 2012. Soil borings were advanced and sampled in April 2012. Monitoring wells were installed and sampled in April 2012. The newly installed wells were sampled a second time in May 2012. A summary of these investigations is presented in Sections 3.1 through 3.6 of this report. The comprehensive groundwater event was completed in December 2011. Activities performed during this event are outlined in Section 3.7.

3.1 S-8 AREA

The following tasks were performed in this AOC.

Four soil borings (SB-147N, SB-147E, SB-147S, and SB-147W) were advanced to the water table adjacent to existing soil boring S-8, each approximately 20 feet from soil boring S-8 in a cardinal direction. One soil sample was collected for laboratory analysis from each soil boring from the interval above the water table [18 to 20 feet below ground surface (bgs)] since there were no elevated PID readings and no visual and/or olfactory evidence of impact.

Three temporary monitoring wells were installed. Temporary monitoring well TMW-147E was installed in soil boring SB-147E. TMW-148 was installed northeast of soil boring S-109. TMW-149 was installed between monitoring wells MW-117A/B and MW-118A/B. The newly installed wells were developed, purged, and sampled. Groundwater samples were collected in April and May 2012 and were submitted for laboratory analysis of TCL VOCs.

No soil samples were collected from temporary monitoring well TMW-148 and TMW-149.

Refer to Figure 3.1 for the location of the soil borings and monitoring wells.

3.2 SB-110 AREA

The following tasks were performed in this AOC.

Soil boring SB-118A was advanced north of and adjacent to existing soil boring SB-118, and soil boring SB-118B was advanced north of soil boring SB-118A. The borings were advanced to 10 feet bgs rather than to the water table. Subsurface remnants of the former building were encountered that prevented drilling to the water table. One soil sample was collected for laboratory analysis of TCL VOCs from each boring, from 6 to 8 feet bgs at SB-118A and from 8 to 10 feet at SB-118B.

Four soil borings were advanced to the water table. SB-119A was advanced south of and SB-119B was advanced east of existing soil boring SB-119. SB-119C was advanced northeast of both SB-119 and monitoring well MW-125. SB-120A was advanced northwest of existing soil boring SB-120. One soil sample was collected from each boring above the water table from 18 to 20 feet bgs for laboratory analysis of TCL VOCs since there were no elevated PID readings and no visual and or olfactory evidence of impact.

The western most soil boring (proposed west of existing soil boring SB-121) was attempted at nine different locations, four times using the Geoprobe rig and five times using the auger rig. An obstruction was encountered at each location that prevented the soil boring from being advanced, and no soil sample was collected.

Temporary monitoring well TMW-152 was installed in soil boring SB-119A. TMW-150 was installed northwest and TMW-151 was installed southeast of existing soil boring S-112. The newly installed wells were developed, purged, and sampled. Groundwater samples collected from the three new wells and existing monitoring well MW-125 in April 2012 and from the three new wells in May 2012 were submitted for laboratory analysis of TCL VOCs.

Refer to Figure 3.2 for the location of the soil borings and monitoring wells.

3.3 TMW-127 AREA

The following tasks were performed in this AOC.

Three soil borings (TMW-153, TMW-154, and TMW-155) were advanced to the water table to the southeast, southwest, and northwest of TMW-127, respectively. One soil sample was collected from soil borings TMW-153 and TMW-155 above the water table from 18 to 20 feet bgs, and from TMW-154 above the water table from 16 to 18 ft bgs for laboratory analysis of TCL VOCs since there were no elevated PID readings and no visual and/or olfactory evidence of impact.

A temporary monitoring well was installed to 27 feet bgs in each of the three soil borings. One deeper (intermediate depth) monitoring well (MW-156) was installed adjacent to temporary monitoring well TMW-127 to a depth of 60 feet bgs.

The four newly installed wells were developed, purged, and sampled. Groundwater samples collected from the four new wells and existing monitoring well MW-127 in April 2012 and from the four new wells in May 2012 were submitted for laboratory analysis of TCL VOCs.

Refer to Figure 3.3 for the location of the soil borings and monitoring wells.

3.4 MW-103A AREA

In order to assist in the selection of an appropriate remedy for the MW-103A area and to help with remedial design, the following tasks were performed.

Two soil borings (SB-48 and SB-49) were advanced to 24 feet near monitoring well MW-103A in the area where past soil sampling resulted in soil concentrations that exceeded KDHE criteria. Soil samples were collected from 13 to 15 feet bgs (intervals with high PID readings and olfactory evidence of impact) and submitted for laboratory analysis of waste profiling parameters.

Three soil borings were advanced north of monitoring well MW-103A to further define the area of contamination, two southwest and one east of the former tank location. Two soil borings (SB-50 and SB-51) were advanced to 20 feet bgs southwest of the former tank location. One soil boring (TMW-157) was advanced to 20 feet bgs east of the former tank farm. One soil sample was collected from each boring above the water table from 18 to

20 feet bgs for laboratory analysis of TCL VOCs since there were no elevated PID readings and no visual and/or olfactory evidence of impact.

Temporary well TMW-157 was installed to 27 feet in the eastern boring. TMW-157 was developed, purged, and sampled. Groundwater samples collected from the well in April 2012 and in May 2012 were submitted for laboratory analysis of TCL VOCs.

One groundwater sample was collected from existing monitoring well MW-103A in April 2012 and submitted for laboratory analysis of nutrient and microbial counts. Due to the presence of LNAPL, the well was purged for 10 minutes prior to sample collection without the collection of stabilization parameters.

Refer to Figure 3.4 for the location of the soil borings and monitoring wells.

3.5 TMW-130 AREA

In order to assist in the selection of an appropriate remedy for the TMW-130 Area and to help with remedial design, the following tasks were performed.

One soil boring (SB-305) was advanced west of TMW-130 to 10 feet bgs, in the area of the approximate extent of observed LNAPL. One soil sample was collected from 4 to 6 feet bgs, the interval with the highest PID reading. The sample was submitted for laboratory analysis of waste profiling parameters.

Two soil borings (SB-306 and SB-307) were advanced to 20 feet bgs in the areas displaying the highest LIF/UVOST readings. One geotechnical sample/soil core (i.e., Shelby tube) was collected from each boring above the water table from the smear zone interval, 18 to 20 feet bgs. The samples were submitted for analysis of grain size, Atterberg Limits/compaction, and porosity.

One groundwater sample was collected in April 2012 from each of five temporary monitoring wells with a history of LNAPL (TMW-130, TMW-139, TMW-140, TMW-141, and TMW-142). Due to the presence of LNAPL, these wells were purged for 10 minutes prior to sample collection without the collection of stabilization parameters. The groundwater samples were submitted for laboratory analysis of surfactants and of nutrient and microbial counts.

Refer to Figure 3.5 for the location of the soil borings and monitoring wells.

3.6 SITE-WIDE BACKGROUND INFORMATION

The following tasks were performed to assist in the determination of a background soil conditions for the Site.

One soil boring (identified as Background Boring) was advanced to 12 feet bgs west of monitoring wells MW-118A/B. One soil sample was collected from a shallow interval (1 to 2 feet bgs) and one soil sample was collected from a deeper interval (10 to 12 feet bgs). The samples were submitted for laboratory analysis of the fraction of organic carbon (Foc).

Refer to Figure 1.4 for the location of the soil boring.

3.7 COMPREHENSIVE GROUNDWATER SAMPLING PROGRAM

The initial sampling round of the comprehensive groundwater sampling program was conducted on December 8, 2011 and during the week of December 12, 2011. The following tasks were performed.

An inspection of monitoring well conditions was completed on December 8, 2011. The well condition forms are provided in Appendix B.

Depth to water and depth to LNAPL, if present, was measured at all existing permanent and temporary Site monitoring wells with the exception of MW-102B on December 8, 2011. Depths to water or LNAPL were measured to the nearest 0.01 feet using an electronic water level meter or an oil/water interface meter.

With the exception of monitoring well MW-102B, groundwater samples were collected from all temporary monitoring wells and shallow, intermediate, and deep depth permanent monitoring wells using low flow sampling techniques during the week of December 12, 2011. Wells were purged and sampled using either a submersible pump or peristaltic pump with dedicated tubing. Wells with LNAPL present were not sampled. Field parameters were measured during monitoring well purging and recorded on low flow purging parameter sheets during the December event. Purging parameters sheets are provided in Appendix C.

Table 3.1 provides a list of the wells that were sampled. A number of wells originally included in the Work Plan on the list of wells to be sampled were not sampled.

Intermediate monitoring well MW-102B was not sampled due to an obstruction that prevented the pump from going down the well. Seven temporary monitoring wells originally included on the list of wells to be sampled were not sampled because they had previously been abandoned. Four temporary monitoring wells (TMW-130, TMW-140, TMW-141, and TMW-142) were not sampled because they contained LNAPL.

Groundwater samples were packed in a cooler with ice and shipped by overnight courier under chain of custody protocols to TestAmerica Laboratories, Inc. of North Canton, Ohio. Samples were submitted for laboratory analysis of TCL VOCs. In addition, groundwater samples from seven monitoring wells located at the TMW-130 and MW-103A areas (TMW-143, TMW-144, TMW-145, TMW-146, MW-103A, MW-104, and MW-115A) were submitted for laboratory analysis of TCL semivolatile organic compounds (SVOCs), total petroleum hydrocarbons as gasoline range organics (TPH-GRO), and total petroleum hydrocarbons as diesel range organics (TPH-DRO).

Refer to Figure 1.3 for the locations of the permanent and temporary monitoring wells.

4.0 INVESTIGATIVE RESULTS

This section presents the results of the various investigative activities completed in December 2011 and in April and May 2012.

Table 4.1 provides a summary of the volume of groundwater removed from monitoring wells during well development in April 2012. Table 4.2 provides monitoring well purging parameters collected in April and May 2012 prior to sample collection. Stratigraphic and Instrumentation Logs for new monitoring wells and soil borings are provided in Appendix D A summary of monitoring well construction details is provided in Table 4.3. The data validation memoranda are presented in Appendix E. Laboratory analytic data reports are provided in Appendix F. The geotechnical analytical data report is provided in Appendix G.

Analytical results for soil and groundwater were compared to the KDHE Tier 2 residential and non-residential groundwater criteria.

4.1 S-8 AREA RESULTS

Four soil borings (SB-147N, SB-147E, SB-147S, and SB-147W) were advanced to the water table. There were no elevated PID readings and no visual and/or olfactory evidence of impact.

One soil sample was collected for laboratory analysis of TCL VOCs from each soil boring from the interval above the water table, 18 to 20 feet bgs. No VOCs were detected above the KDHE residential or non-residential criteria.

Three temporary monitoring wells were installed (TMW-147E, TMW-148, and TMW-149). Two rounds of groundwater samples were collected in April and May 2012 from the wells and analyzed for TCL VOCs. Cis-1,2-Dichloroethene (cis-1,2-DCE), tetrachloroethene (PCE), and trichloroethene (TCE) were detected in the groundwater samples collected in April and May 2012 from TMW-147E at concentrations above the KDHE residential and non-residential criteria.

No VOCs were detected above the KDHE residential or non-residential criteria in the groundwater samples collected from TMW-148 and TMW-149.

Soil analytical results are presented in Table 4.4 and on Figure 4.1. Groundwater analytical results are presented in Table 4.5 and on Figure 4.2.

4.2 SB-110 AREA RESULTS

Five soil borings (SB-118A, SB-118B, SB-119A, SB-119C, and SB-120) were advanced to the water table. There were no elevated PID readings and no visual and or olfactory evidence of impact.

One soil sample was collected for laboratory analysis of TCL VOCs from each soil boring from the interval above the water table, 18 to 20 feet bgs, except soil borings SB-118A and SB-118B. Due to obstructions encountered, the soil sample from soil boring SB-118A was collected from 6 to 8 ft bgs and the soil sample from soil boring SB-118B was collected from 8 to 10 ft bgs. No VOCs were detected above the KDHE residential or non-residential criteria.

Three temporary monitoring wells were installed (TMW-150, TMW-151, and TMW-152). The three new wells and existing monitoring well MW-125 were sampled in April 2012 for TCL VOCs. A second round of groundwater samples was collected in May 2012 from the three newly installed wells. TCE was detected in the groundwater samples collected in April and May 2012 from TMW-150 and TMW-151 at concentrations above the KDHE residential and non-residential criteria.

No VOCs were detected above the KDHE residential or non-residential criteria in the groundwater samples collected in April 2012 from MW-125 and in April and May 2012 from TMW-152.

Soil analytical results are presented in Table 4.6 and on Figure 4.3. Groundwater analytical results are presented in Table 4.7 and on Figure 4.4.

4.3 TMW-127 AREA RESULTS

Three soil borings (TMW-153, TMW-154, and TMW-155) were advanced to the water table. There were no elevated PID readings and no visual and/or olfactory evidence of impact.

One soil sample was collected for laboratory analysis of TCL VOCs from soil borings TMW-153 and TMW-155 from the interval above the water table 18 to 20 feet bgs, and from TMW-154 above the water table from 16 to 18 ft bgs. No VOCs were detected above the KDHE residential or non-residential criteria.

Three temporary monitoring wells (TMW-153, TMW-154, and TMW-155) and one intermediate permanent monitoring well (MW-156) were installed. The four new wells and existing monitoring well MW-127 were sampled in April 2012 for TCL VOCs. A second round of groundwater samples was collected in May 2012 from the four newly installed wells.

cis-1,2-DCE was detected in the groundwater samples collected in April 2012 from MW-156, TMW-127, and TMW-155 and in May 2012 from TMW-155 at concentrations above the KDHE residential and non-residential criteria. TCE was detected in the groundwater samples collected in April and May 2012 from TMW-155 at concentrations above the KDHE residential and non-residential criteria. Vinyl chloride was detected in the groundwater samples collected in April 2012 from TMW-127 and in April and May 2012 from TMW-155 and TMW-156 at concentrations above the KDHE residential and non-residential criteria.

No VOCs were detected above the KDHE residential or non-residential criteria in the groundwater samples collected in April and May from TMW-153 and TMW-154.

Soil analytical results are presented in Table 4.8 and on Figure 4.5. Groundwater analytical results are presented in Table 4.9 and on Figure 4.6.

4.4 MW-103A AREA RESULTS

Two soil borings (SB-48 and SB-49) were advanced to 24 feet bgs. One sample was collected from each boring from 13 to 15 feet bgs and analyzed for waste profiling parameters. Analytical results are presented in Table 4.10.

Three soil borings (SB-50, SB-51, and TMW-157) were advanced to the water table. There were no elevated PID readings and no visual and/or olfactory evidence of impact.

One soil sample was collected for laboratory analysis of TCL VOCs from each soil boring from the interval above the water table, 18 to 20 feet bgs. No VOCs were detected above the KDHE residential or non-residential criteria.

One temporary monitoring well was installed (TMW-157). Two rounds of groundwater samples were collected in April and May 2012 from the well and analyzed for TCL VOCs. No VOCs were detected above the KDHE residential or non-residential criteria in the groundwater samples collected from TMW-157.

One groundwater sample was collected from existing monitoring well MW-103A and analyzed for microbial population counts and nutrient characterization.

Soil analytical results are presented in Table 4.11 and on Figure 4.7. Groundwater analytical results are presented in Table 4.12 and on Figure 4.8. Table 4.13 presents microbial population counts and nutrient characterization.

4.5 TMW-130 AREA RESULTS

One soil boring was advanced to 10 feet bgs. One sample was collected from 4 to 6 feet bgs and analyzed for waste profiling parameters. Analytical results are presented in Table 4.10.

Two borings were advanced to 20 feet bgs. One geotechnical sample/soil core (i.e., Shelby tube) was collected from each boring above the water table from the smear zone interval, 18 to 20 feet bgs. The samples were analyzed for grain size, Atterberg Limits/compaction, and porosity. Both samples were described as "poorly graded sand with silt". Sample SB-306 contained approximately 85% fine grained sand, 5% medium grained sand, and 9.5% silt. Sample SB-307 contained approximately 40% fine grained sand, 36.5% medium grained sand, 7% coarse grained sand, 8% fine grained gravel, and 8% silt. Sample SB-306 had a porosity of 0.389, and sample SB-307 had a porosity of 0.341. Geotechnical laboratory results are provided in Appendix G.

One groundwater sample was collected from each of five existing temporary monitoring wells (TMW-130, TMW-139, TMW-140, TMW-141, and TMW-142). The groundwater samples were submitted analyzed for surfactants and for microbial population counts and nutrients.

Table 4.13 presents microbial population counts and nutrient characterization.

Surfactants were detected in the groundwater samples at concentrations ranging from 0.36 mg/L (at TMW-130) to 1.0 mg/L (at TMW-139). Surfactant results are presented in Table 4.14

4.6 SITE-WIDE BACKGROUND INFORMATION RESULTS

Two soil samples were collected from the Background Boring location and analyzed for Foc. The Foc result for the sample collected from 1 to 2 feet bgs was 0.4%. The Foc result for the sample collected from 10 to 12 feet bgs was 0.32%. Laboratory analytical results are provided in Appendix F.

4.7 COMPREHENSIVE GROUNDWATER SAMPLING PROGRAM RESULTS

The initial comprehensive groundwater sampling event was conducted on December 8, 2011, when the depth to groundwater was measured, and during the week of December 12, 2011, when groundwater sampling was conducted.

4.7.1 HYDRAULIC MONITORING

Depth to groundwater was measured at monitoring wells where LNAPL was not encountered. A summary of groundwater elevations from September 2007 to May 2012 is presented in Table 4.15.

Groundwater flow direction is seasonal and is dependent on precipitation events and the stage of the Missouri River. Figure 4.9 presents groundwater elevation contours for December 2011 for the shallow depth monitoring wells. The groundwater flow direction is to the north. Figure 4.10 presents groundwater elevation contours for May 2012 for the shallow depth monitoring wells. The groundwater flow direction is to the east/southeast.

Vertical hydraulic gradients between shallow and intermediate wells or shallow and deep wells in nested pairs were calculated using groundwater elevations from selected wells. Historically, vertical hydraulic gradients have fluctuated seasonally and by well location. No significant flow up or down is apparent across the Site. Table 4.16 provides vertical hydraulic gradient data.

4.7.2 GROUNDWATER ANALYTICAL RESULTS

Thirty-one monitoring wells were sampled during the initial comprehensive groundwater sampling event conducted in December 2011. Table 3.1 provides a list of the wells that were sampled. Intermediate monitoring well MW-102B was not sampled

due to an obstruction that prevented the pump from going down the well. Seven temporary monitoring wells, TMW-124, TMW-125, TMW-126, TMW-128, TMW-129, TMW-131, and TMW-132 were originally included on the list of wells to be sampled were not sampled because they had previously been abandoned.

During the sampling event, acetone, ethylbenzene, toluene, xylenes, 2,4-dimethylphenpl, naphthalene, total petroleum hydrocarbons as diesel range organics (TPH-DRO), and total petroleum hydrocarbons as gasoline range organics (TPH-GRO) were detected in groundwater samples collected from MW-103A (sample and duplicate sample) at concentrations above the KDHE residential and non-residential criteria. PCE was detected in the groundwater sample collected from MW-110A at a concentration above the KDHE residential and non-residential criteria. Vinyl chloride was detected in the groundwater sample collected from MW-118B at a concentration above the KDHE residential and non-residential criteria. cis-1,2-DCE and vinyl chloride were detected in the groundwater sample collected from TMW-127 at concentrations above the KDHE residential and non-residential criteria. Benzene was detected in the groundwater sample collected from TMW-139 at a concentration above the KDHE residential and non-residential criteria.

Table 4.17 and Figure 4.11 present a summary of detected analytical data.

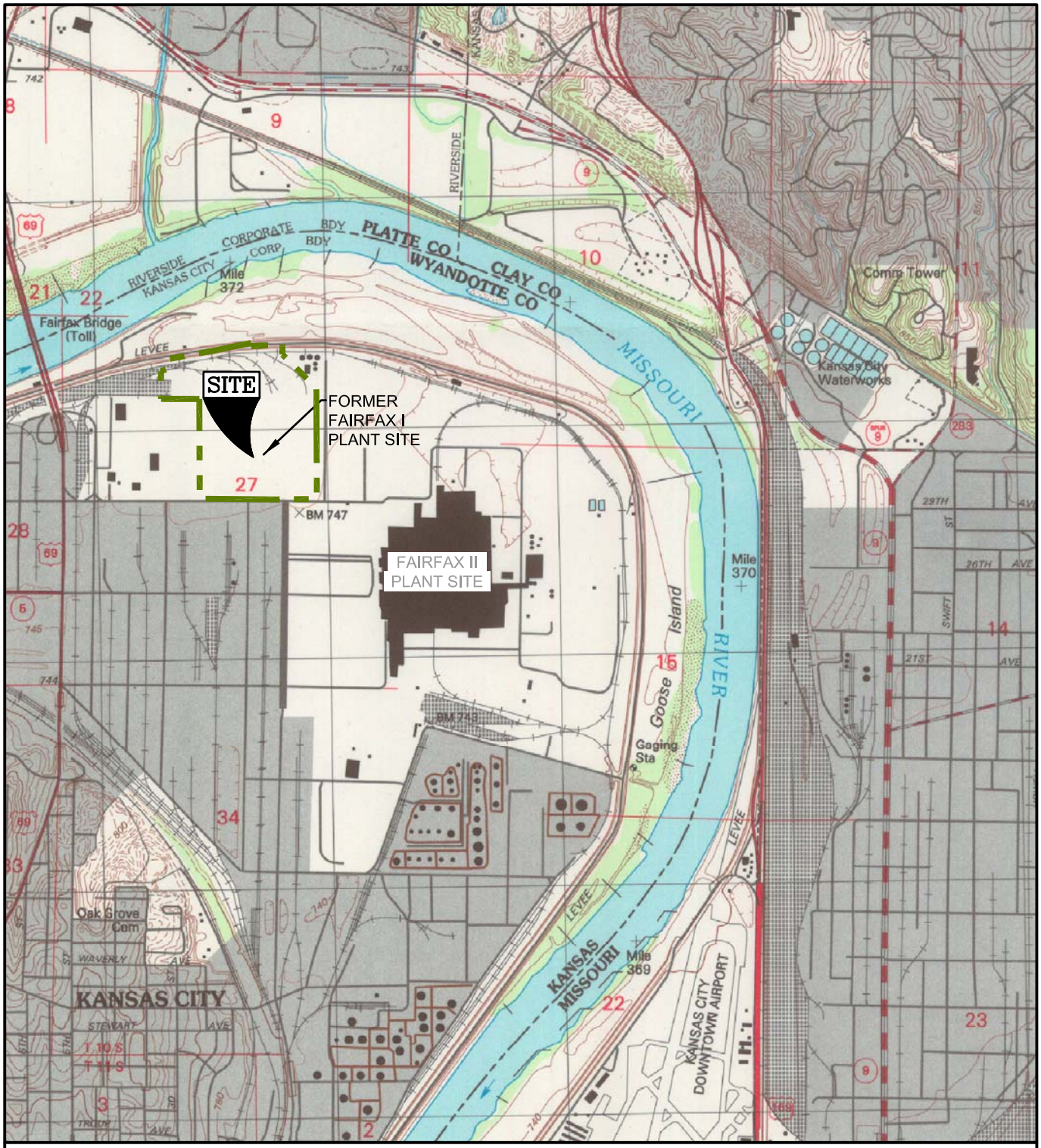
5.0 RECOMMENDATIONS

5.1 AREAS OF CONCERN

Generally, no further delineation is necessary at the current AOCs. Additional data, if necessary, will be collected during any future design studies focused on the collection of data to support the selected remedy. Recommendations for remediation alternatives at the five AOCs will be presented an additional report to be submitted under separate cover to KDHE with an evaluation of the remedial alternatives and the selected remedy.

5.2 COMPREHENSIVE GROUNDWATER SAMPLING PROGRAM

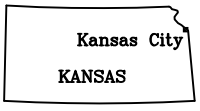
A comprehensive groundwater sampling event was completed in December 2011. Additional monitoring wells were installed in April 2012 and sampled in April and May 2012. The Site will require a groundwater monitoring program in the future which will be used to evaluate overall groundwater conditions and also to monitor the effectiveness of remedial actions at each AOC. Consequently, an integrated groundwater monitoring program should be developed upon submission of final remedies at each AOC. Prior to this MW-156 will be redeveloped and sampled. The monitoring program will include both site-wide and remedy-specific components and will, at a minimum, provide semiannual sampling of monitoring wells where groundwater samples have contained VOCs at concentrations exceeding the KDHE comparison criteria.



LEGEND:

FORMER FAIRFAX I PROPERTY BOUNDARY
(PROPERTY ID 1289-1)

BASE SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE;
NORTH KANSAS CITY, MO-KS 1990



0 1/4 1/2 mile

N

figure 1.1

SITE LOCATION
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO001 JUN 22/2012

MISSOURI RIVER

N

0 150 300ft

MW-103A AREA

SB-110 AREA

TMW-127 AREA

FAIRFAX I FORMER ASSEMBLY PLANT

S-8 AREA

TMW-130 AREA

LEGEND:

FORMER FAIRFAX I PROPERTY BOUNDARY (PROPERTY ID 1289-1)

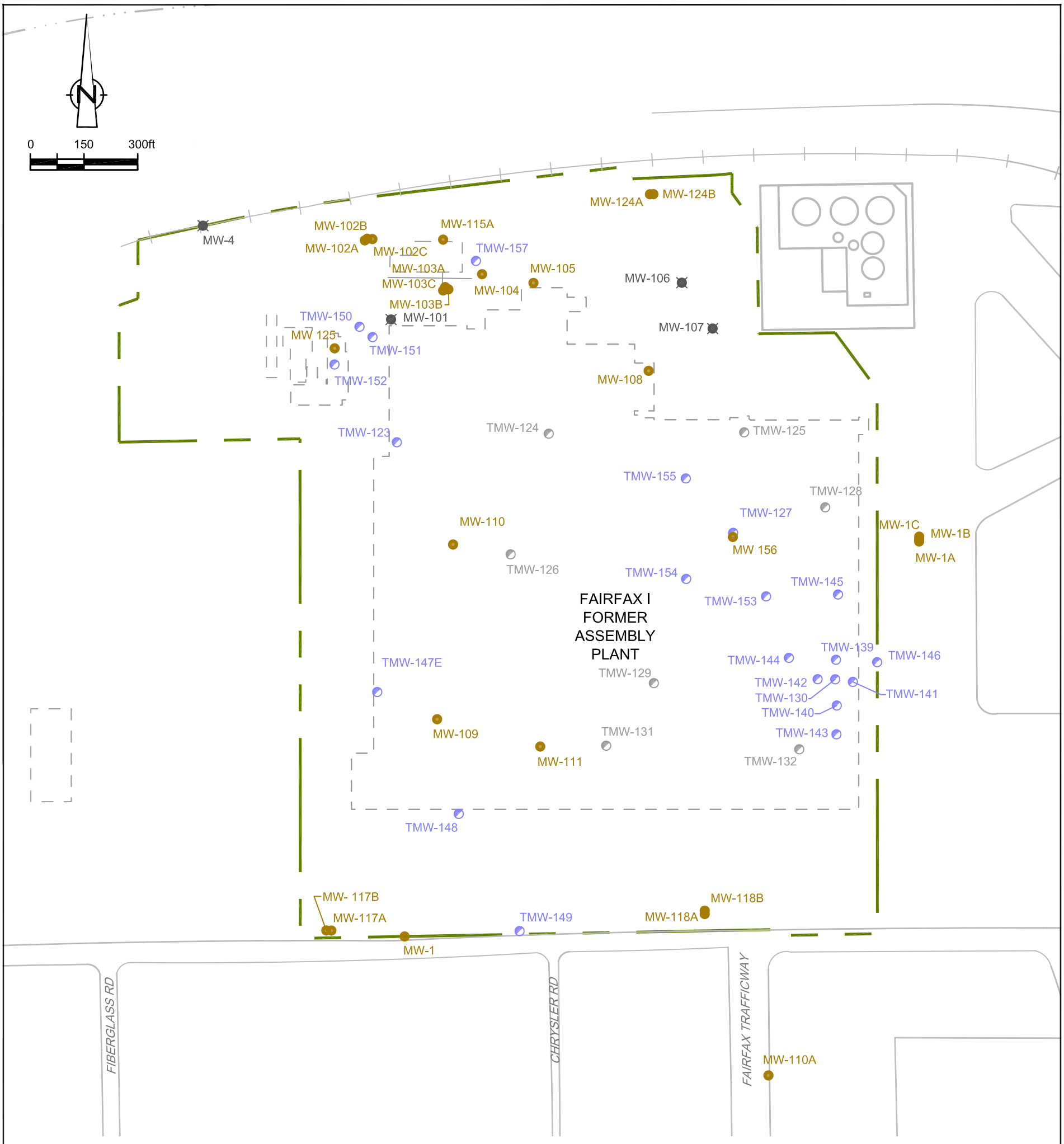
FORMER BUILDING STRUCTURE

FORMER RAILROAD TRACKS

figure 1.2

SITE PLAN AND AOC LOCATIONS
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO002 JUN 22/2012



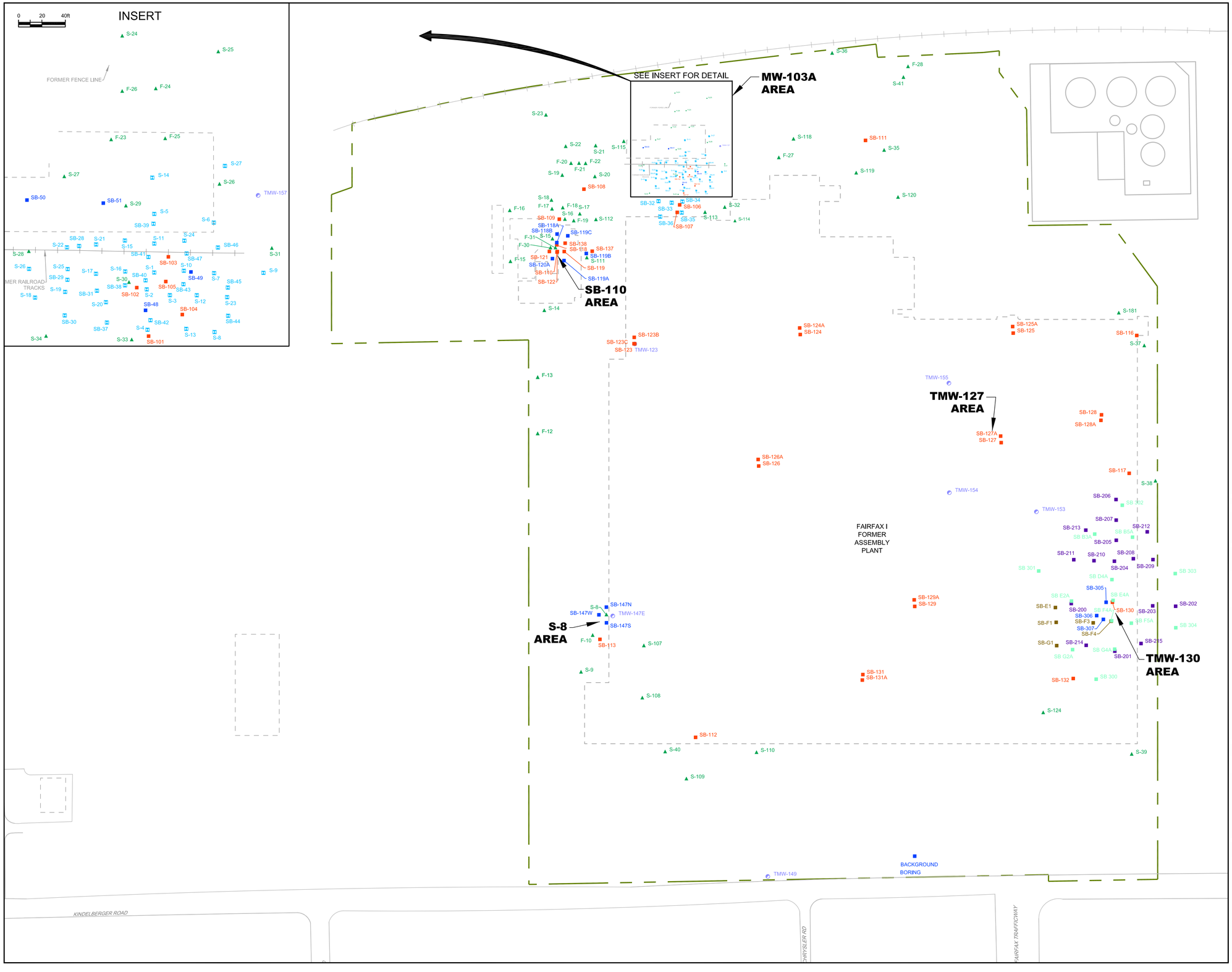
LEGEND:

- FORMER FAIRFAX I PROPERTY BOUNDARY (PROPERTY ID 1289-1)
- FORMER BUILDING STRUCTURE
- FORMER RAILROAD TRACKS
- MW-102A — MONITORING WELL LOCATION AND IDENTIFIER
- TMW-130 — TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- MW-4 — FORMER MONITORING WELL LOCATION AND IDENTIFIER
- TMW-124 — FORMER TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER

figure 1.3

MONITORING WELL LOCATIONS
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO003 JUN 22/2012



№	Revision	Date	Initial

0 40 120ft
Approximate Scale

LEGEND:

- FORMER FAIRFAX I PROPERTY BOUNDARY (PROPERTY ID 1289-1)
- FORMER BUILDING STRUCTURE
- FORMER RAILROAD TRACKS
- S-1 ▲ HDR SOIL BORING LOCATION AND IDENTIFIER
- S-5/SB-28 SOIL BORING LOCATION AND IDENTIFIER (CRA, MAY 1999)
- SB-108 SOIL BORING LOCATION AND IDENTIFIER (CRA, DECEMBER 2004)
- SB-200 SOIL BORING LOCATION AND IDENTIFIER (CRA, OCTOBER 2007)
- SB-300 SOIL BORING LOCATION AND IDENTIFIER (CRA, SEPTEMBER 2009)
- SB-200 SOIL BORING LOCATION AND IDENTIFIER (CRA, OCTOBER 2009)
- SB-48 SOIL BORING LOCATION AND IDENTIFIER (CRA, APRIL 2012)
- TMW-147E TEMPORARY MONITORING WELL BORING LOCATION AND IDENTIFIER

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

FORMER FAIRFAX I SITE

SOIL BORING LOCATIONS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
P. HARVEY	P. KLICK	JUNE 8, 2012	
Scale: 1:120	Project №: 12559-T02	Report №: 024	Drawing №: figure 1.4

12559-T02(024)GN-CO004 JUN 22/2012

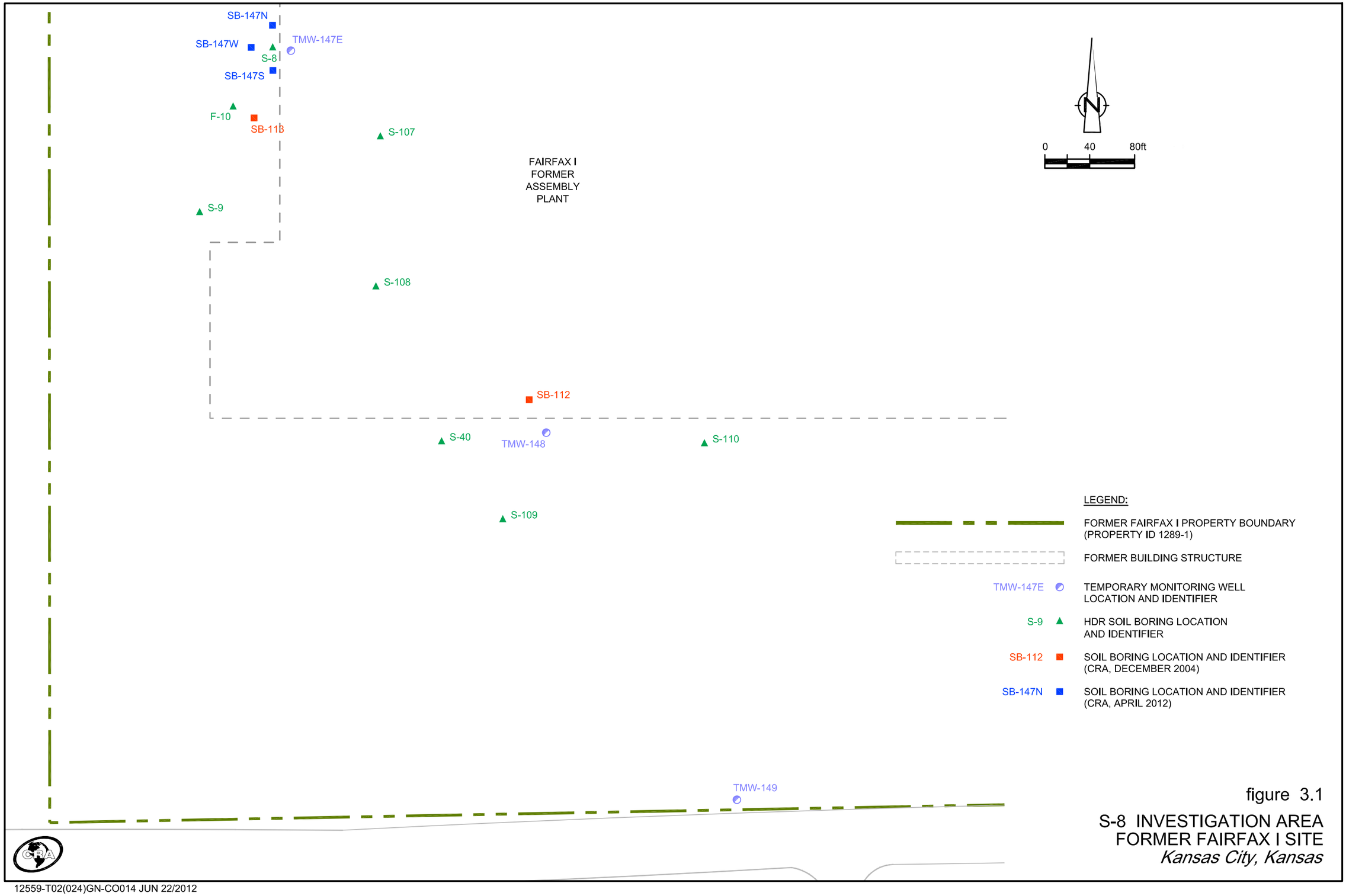
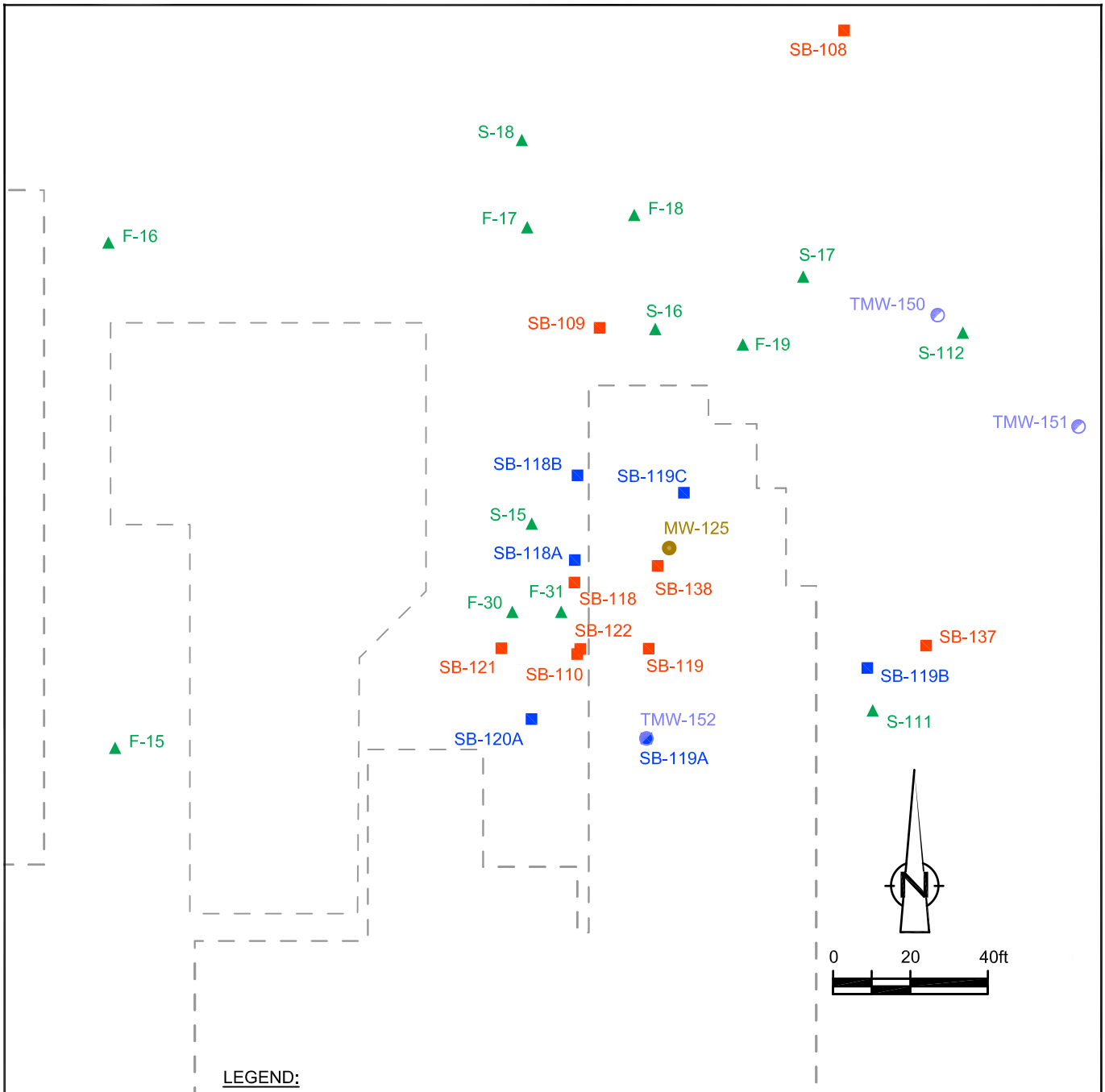


figure 3.1

S-8 INVESTIGATION AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO014 JUN 22/2012



LEGEND:

FORMER BUILDING STRUCTURE

MW-125 — MONITORING WELL LOCATION AND IDENTIFIER

TMW-152 — TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER

S-15/F-15 — HDR SOIL BORING LOCATION AND IDENTIFIER

SB-08 — SOIL BORING LOCATION AND IDENTIFIER (CRA, DECEMBER 2004)

SB-118A — SOIL BORING LOCATION AND IDENTIFIER (CRA, APRIL 2012)

figure 3.2

SB-110 INVESTIGATION AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO005 JUN 22/2012

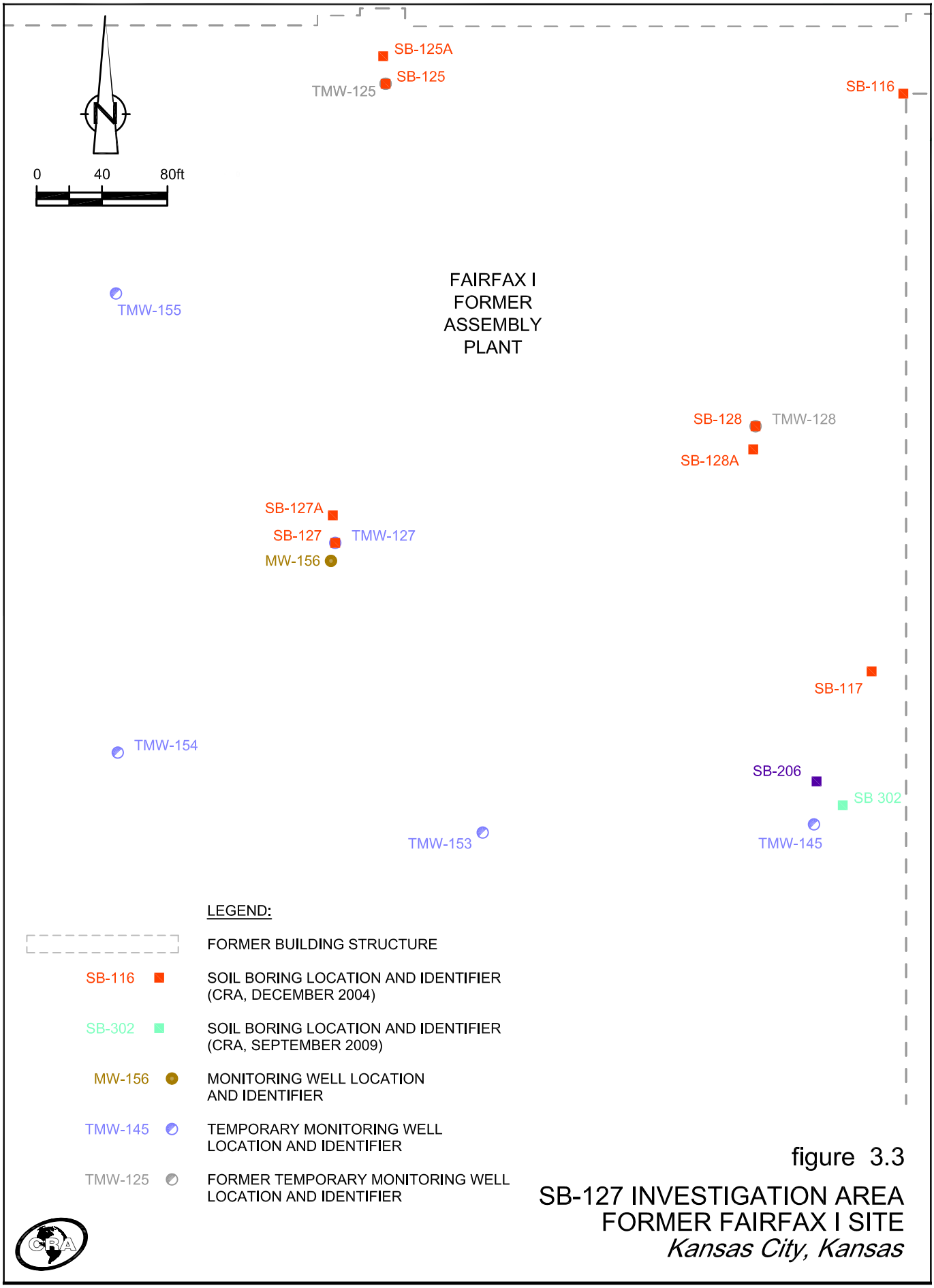


figure 3.3

SB-127 INVESTIGATION AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO006 JUN 22/2012

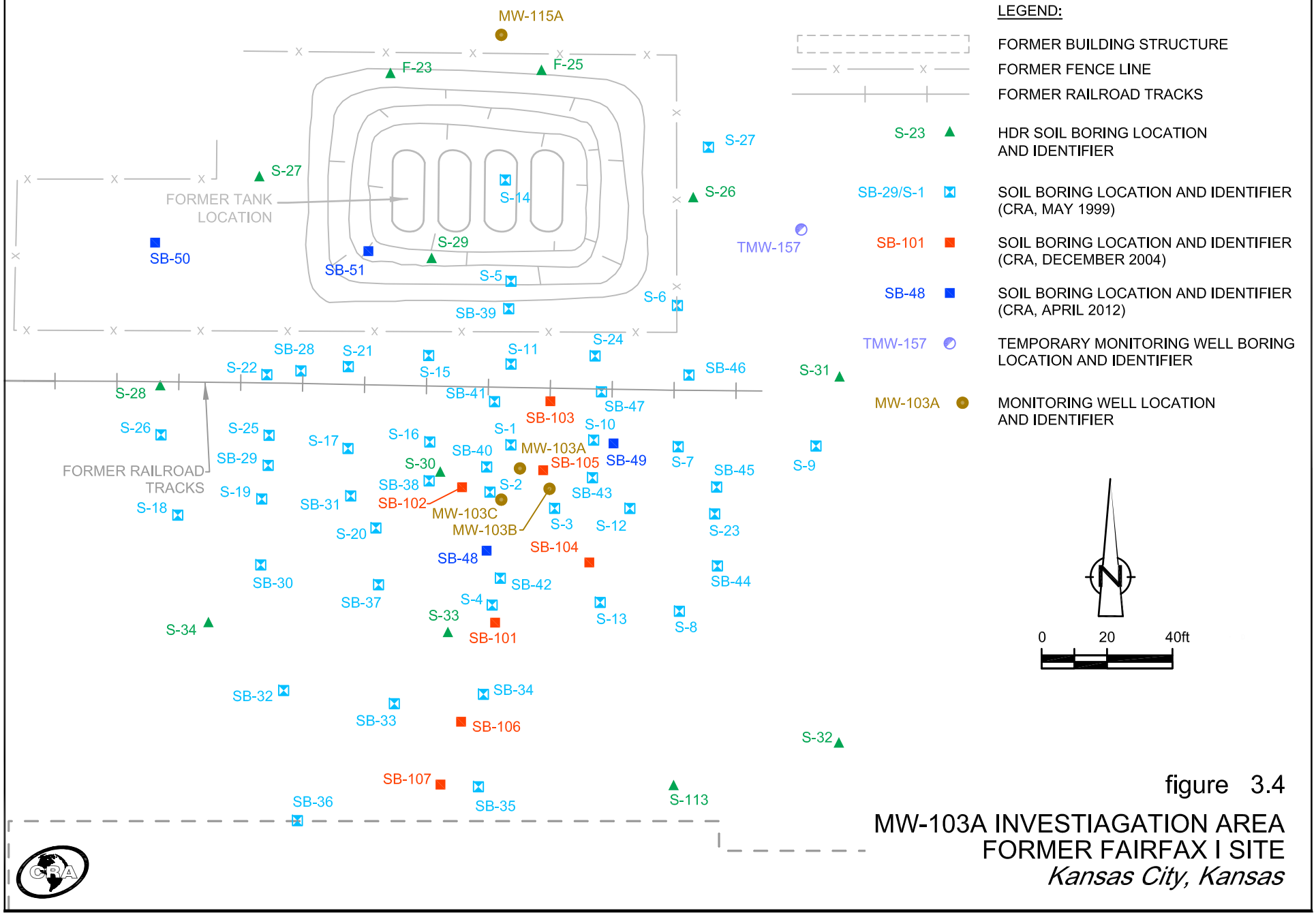


figure 3.4

MW-103A INVESTIAGATION AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO007 JUL 06/2012

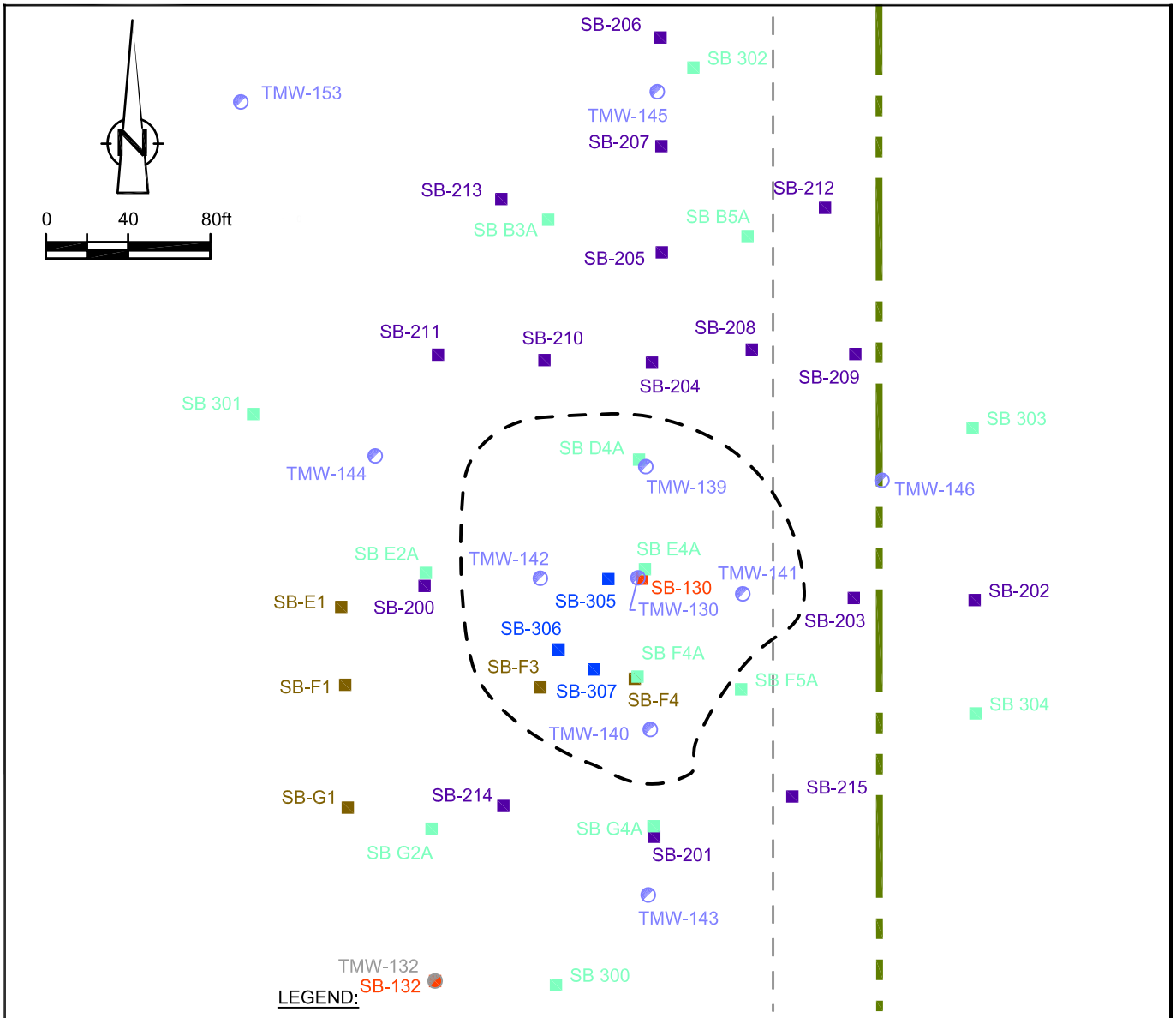


figure 3.5

TMW-130 INVESTIGATION AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO008 JUN 27/2012

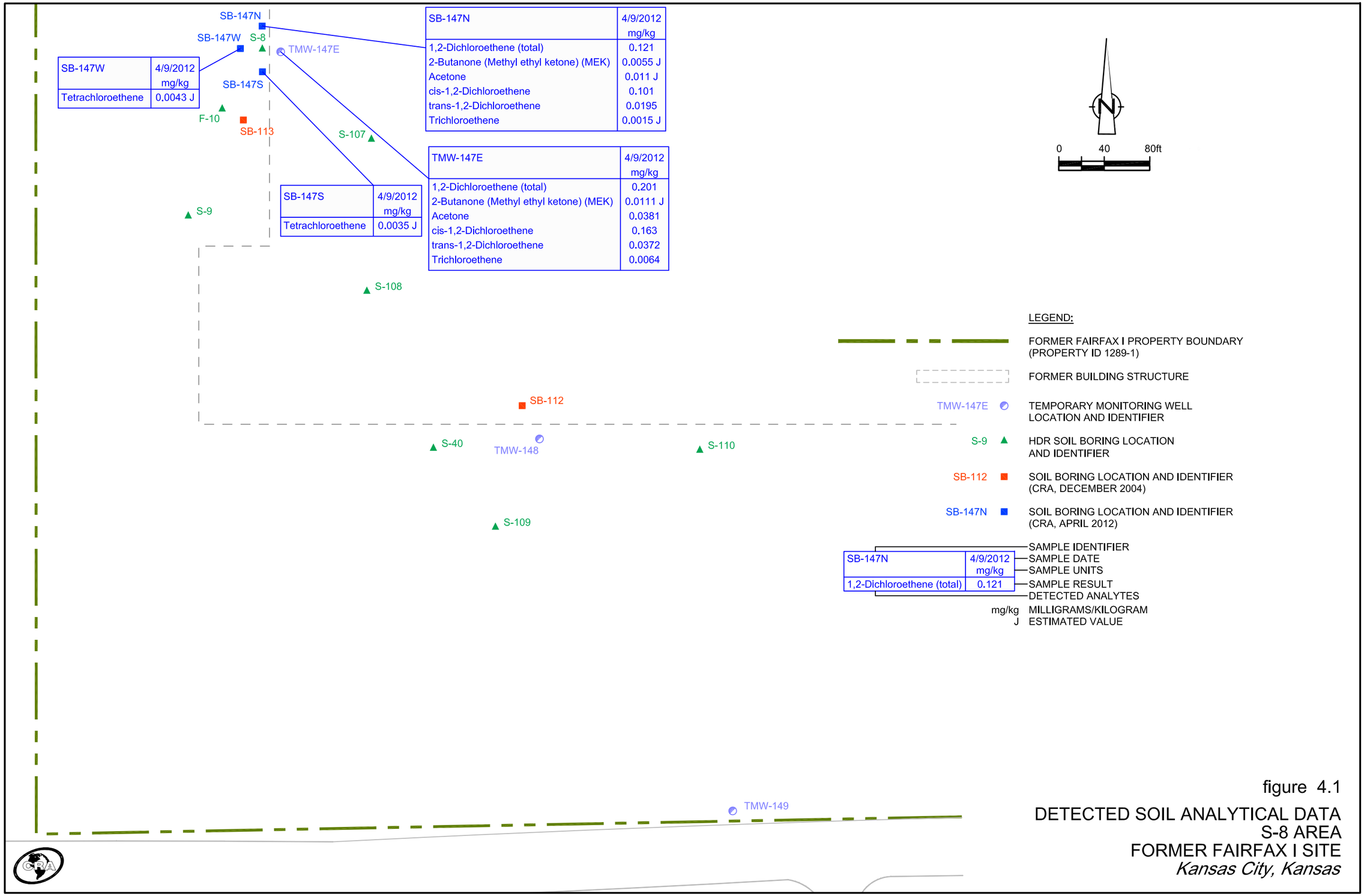
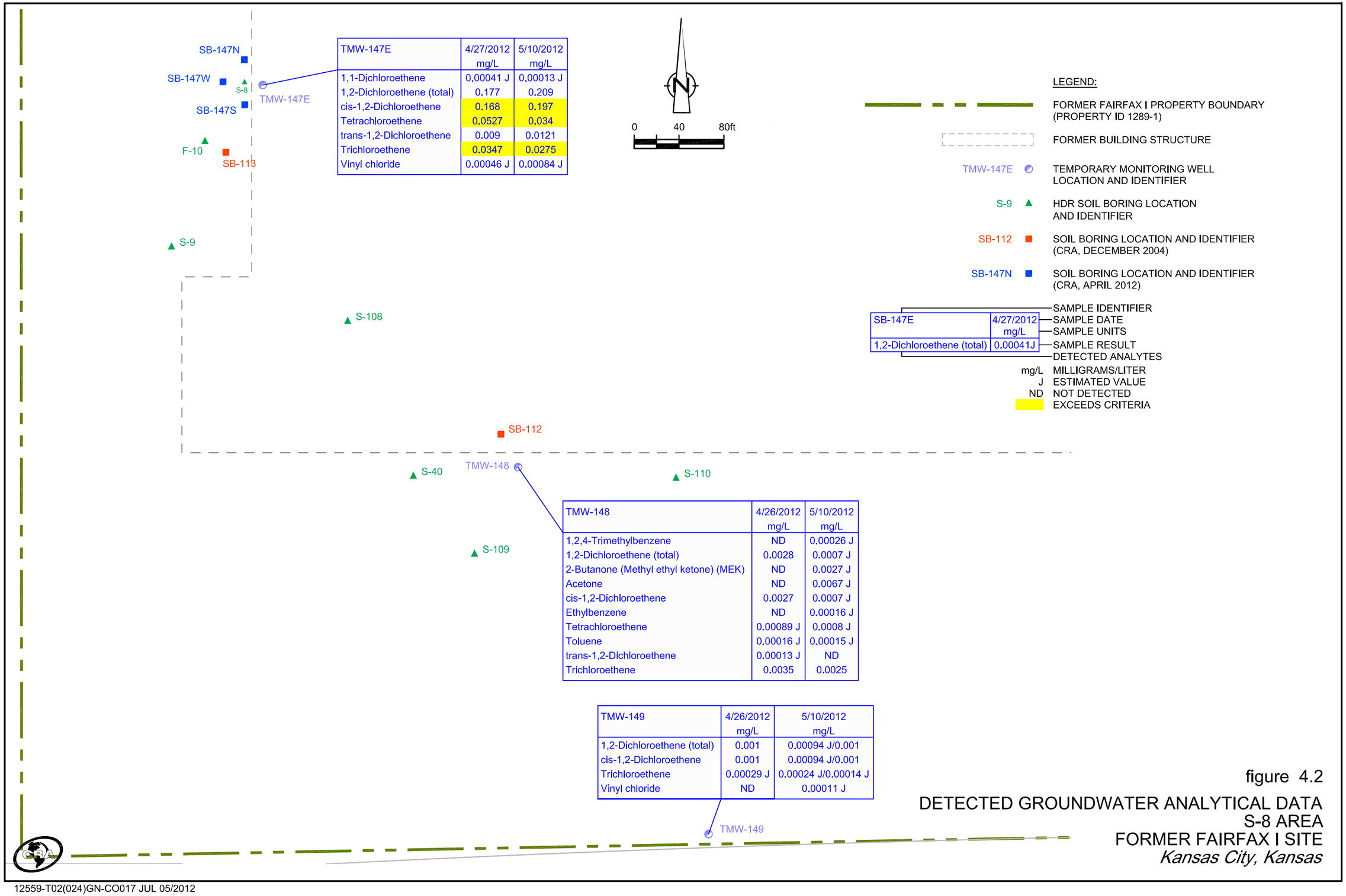


figure 4.1

DETECTED SOIL ANALYTICAL DATA
S-8 AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO015 JUN 22/2012



TMW-147E	4/27/2012 mg/L	5/10/2012 mg/L
1,1-Dichloroethene	0.00041 J	0.00013 J
1,2-Dichloroethene (total)	0.177	0.209
cis-1,2-Dichloroethene	0.168	0.197
Tetrachloroethene	0.0527	0.034
trans-1,2-Dichloroethene	0.009	0.0121
Trichloroethene	0.0347	0.0275
Vinyl chloride	0.00046 J	0.00084 J

TMW-148	4/26/2012 mg/L	5/10/2012 mg/L
1,2,4-Trimethylbenzene	ND	0.00026 J
1,2-Dichloroethene (total)	0.0028	0.0007 J
2-Butanone (Methyl ethyl ketone) (MEK)	ND	0.0027 J
Acetone	ND	0.0067 J
cis-1,2-Dichloroethene	0.0027	0.0007 J
Ethylbenzene	ND	0.00016 J
Tetrachloroethene	0.00089 J	0.0008 J
Toluene	0.00016 J	0.00015 J
trans-1,2-Dichloroethene	0.00013 J	ND
Trichloroethene	0.0035	0.0025

TMW-149	4/26/2012 mg/L	5/10/2012 mg/L
1,2-Dichloroethene (total)	0.001	0.00094 J/0.001
cis-1,2-Dichloroethene	0.001	0.00094 J/0.001
Trichloroethene	0.00029 J	0.00024 J/0.00014 J
Vinyl chloride	ND	0.00011 J

figure 4.2

DETECTED GROUNDWATER ANALYTICAL DATA
S-8 AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO017 JUL 05/2012

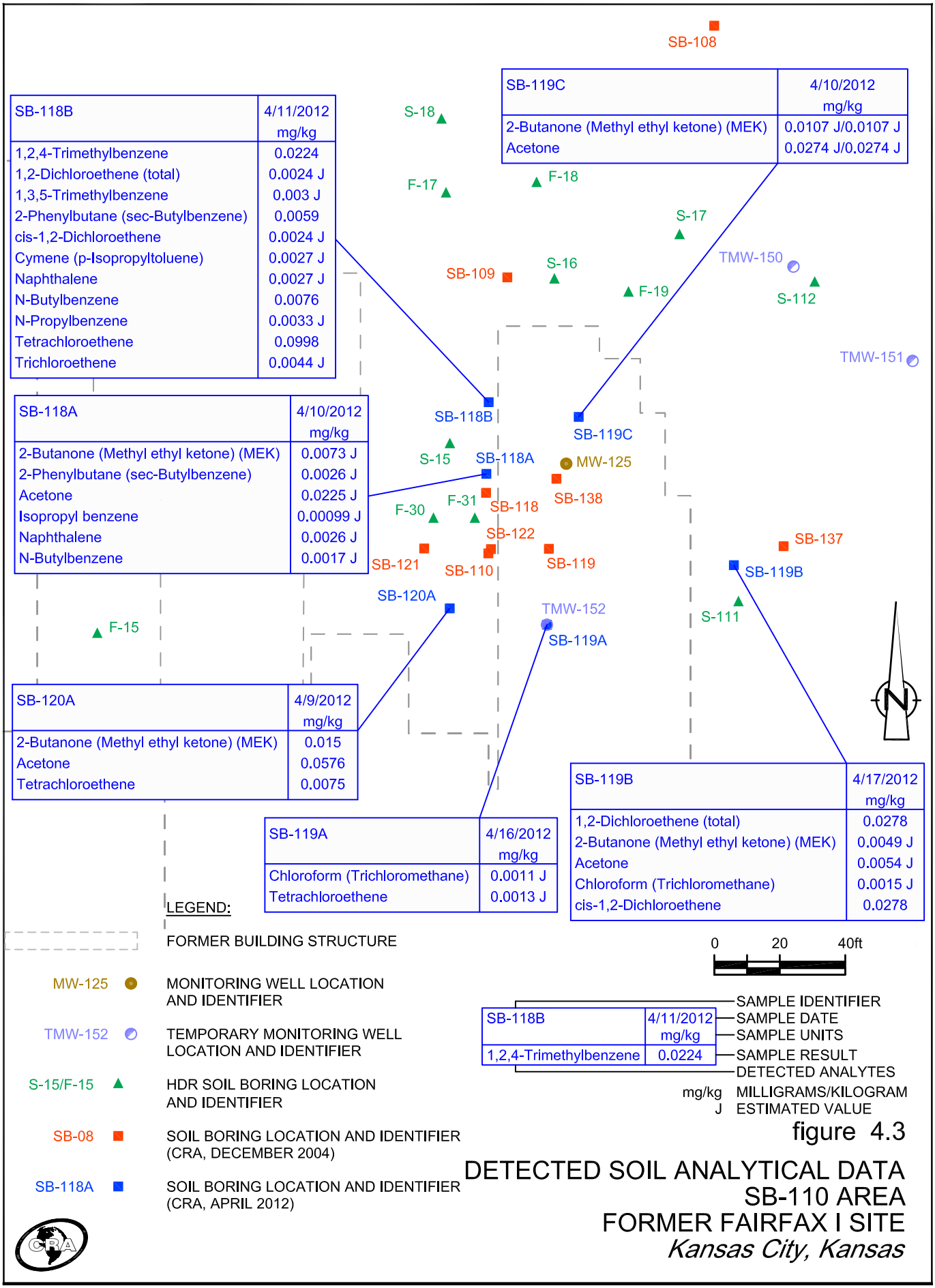
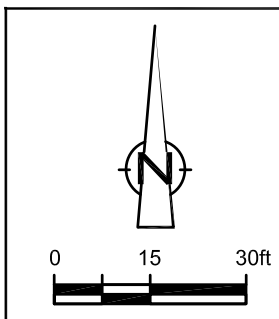


figure 4.3

DETECTED SOIL ANALYTICAL DATA
SB-110 AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO011 JUL 06/2012



SB-108

TMW-150	4/27/2012 mg/L	5/9/2012 mg/L
1,2-Dichloroethene (total)	0.0114/0.0119	0.0105
Benzene	0.00012 J/0.00012 J	0.00012 J
cis-1,2-Dichloroethene	0.0097/0.0102	0.0089
Tetrachloroethene	0.00049 J/0.00047 J	0.0013
trans-1,2-Dichloroethene	0.0017/0.0017	0.0016
Trichloroethene	0.0201/0.0205	0.0203
Vinyl chloride	0.00027 J/0.00027 J	0.00032 J

S-18
F-17
F-18
F-16
S-17
TMW-150
SB-109
S-16
F-19
S-112

MW-125	4/27/2012 mg/L
1,2-Dichloroethene (total)	0.00059 J
Tetrachloroethene	0.00043 J
Trichloroethene	0.00032 J

TMW-151

TMW-151	4/27/2012 mg/L	5/10/2012 mg/L
1,2-Dichloroethene (total)	0.0374	0.0333
cis-1,2-Dichloroethene	0.0343	0.0305
Tetrachloroethene	0.0011	0.0013
trans-1,2-Dichloroethene	0.0031	0.0028
Trichloroethene	0.0099	0.0089
Vinyl chloride	0.00013 J	ND

SB-118B
SB-119C
S-15
MW-125
SB-118A
SB-138
F-30
F-31
SB-118
SB-122
SB-121
SB-110
SB-119
SB-137
SB-119B
S-111
SB-120A
TMW-152
SB-119A
F-15

TMW-152	4/26/2012 mg/L	5/10/2012 mg/L
1,2-Dichloroethene (total)	0.00036 J	0.00055 J
cis-1,2-Dichloroethene	ND	0.00055 J
Tetrachloroethene	0.0049	0.0048
Trichloroethene	0.0013	0.0011
Trichlorofluoromethane (CFC-11)	0.0014	0.0018

LEGEND:

- FORMER BUILDING STRUCTURE
- MW-125 — MONITORING WELL LOCATION AND IDENTIFIER
- TMW-152 — TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- S-15/F-15 — HDR SOIL BORING LOCATION AND IDENTIFIER
- SB-08 — SOIL BORING LOCATION AND IDENTIFIER (CRA, DECEMBER 2004)
- SB-118A — SOIL BORING LOCATION AND IDENTIFIER (CRA, APRIL 2012)

MW-125	4/27/2012 mg/kg
1,2-Dichloroethene (total)	0.00059 J

- MW-125 — SAMPLE IDENTIFIER
- 4/27/2012 — SAMPLE DATE
- mg/kg — SAMPLE UNITS
- 0.00059 J — SAMPLE RESULT
- 1,2-Dichloroethene (total) — DETECTED ANALYTES

- mg/L — MILLIGRAMS/LITER
- J — ESTIMATED VALUE
- ND — NOT DETECTED
- EXCEEDS CRITERIA

figure 4.4

DETECTED GROUNDWATER ANALYTICAL DATA AREA SB-110 AREA FORMER FAIRFAX I SITE

Kansas City, Kansas

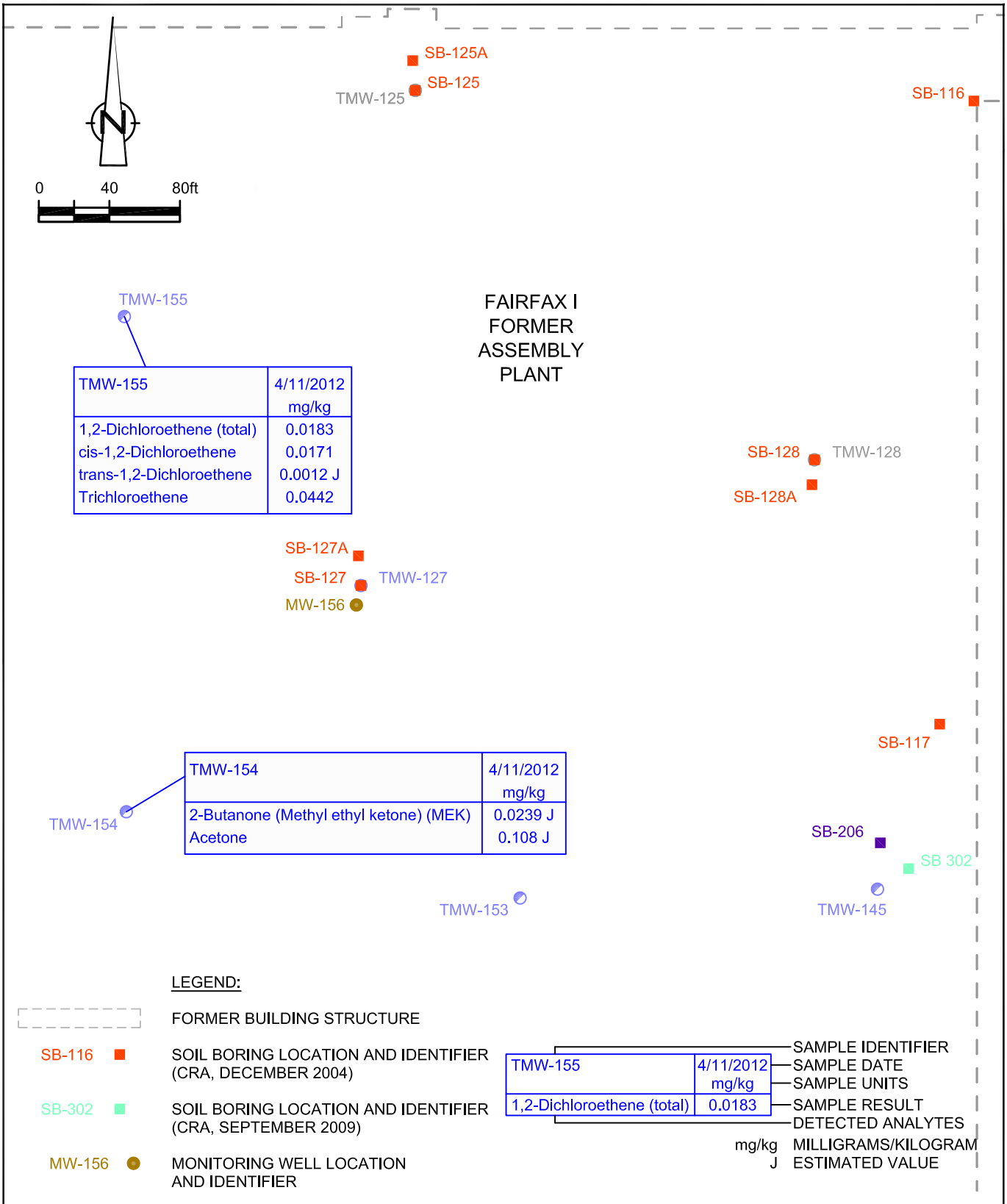


figure 4.5

DETECTED SOIL ANALYTICAL DATA
TMW 127 AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO012 JUL 06/2012

TMW-155	4/26/2012 mg/L	5/9/2012 mg/L
1,1-Dichloroethene	0.0013	0.0011
1,2-Dichloroethene (total)	0.803	0.735
Acetone	ND	0.0037 J
Benzene	0.00012 J	0.00011 J
cis-1,2-Dichloroethene	0.77	0.709
trans-1,2-Dichloroethene	0.0339	0.0354
Trichloroethene	0.3	0.283
Vinyl chloride	0.0053	0.0059

SB-125A

SB-125

TMW-125

SB-116

TMW-155

N

0 30 60ft

FAIRFAX I
FORMER
ASSEMBLY
PLANT

SB-128 TMW-128

SB-128A

TMW-127	4/27/2012 mg/L
1,1-Dichloroethene	0.00042 J
1,2-Dichloroethene (total)	0.366
Benzene	0.00012 J
cis-1,2-Dichloroethene	0.354
Toluene	0.0005 J
trans-1,2-Dichloroethene	0.012
Trichloroethene	0.00029 J
Vinyl chloride	0.0059

SB-127A

TMW-127
SB-127

MW-156

MW-156	4/26/2012 mg/L	5/9/2012 mg/L
1,1-Dichloroethane	0.00034 J	0.00037 J
1,2-Dichloroethene (total)	0.113	0.0526
Benzene	0.00032 J	0.0003 J
cis-1,2-Dichloroethene	0.0999	0.0379
Cymene (p-Isopropyltoluene)	ND	0.0005 J
Methyl tert butyl ether (MTBE)	ND	0.0002 J
Toluene	0.00011 J	0.00025 J
trans-1,2-Dichloroethene	0.0135	0.0147
Trichloroethene	0.00062 J	0.00054 J
Vinyl chloride	0.264	0.385

SB-117

TMW-154

SB-206

SB 302

TMW-145

TMW-154	4/26/2012 mg/L	5/9/2012 mg/L
1,2-Dichloroethene (total)	0.0064	0.007
Acetone	ND	0.0096 J
cis-1,2-Dichloroethene	0.0057	0.0061
trans-1,2-Dichloroethene	0.00078 J	0.00089 J

TMW-153

TMW-153	4/26/2012 mg/L	5/9/2012 mg/L
1,2-Dichloroethene (total)	0.0275	0.0206
cis-1,2-Dichloroethene	0.0263	0.0197
trans-1,2-Dichloroethene	0.0012	0.00097 J
Trichloroethene	0.0016	0.0013
Vinyl chloride	0.00023 J	0.00037 J

LEGEND:

- FORMER BUILDING STRUCTURE
- SB-116 — SOIL BORING LOCATION AND IDENTIFIER (CRA, DECEMBER 2004)
- SB-302 — SOIL BORING LOCATION AND IDENTIFIER (CRA, SEPTEMBER 2009)
- MW-156 — MONITORING WELL LOCATION AND IDENTIFIER
- TMW-145 — TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- TMW-125 — FORMER TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER

TMW-127	4/27/2012 mg/L
1,1-Dichloroethene	0.00042 J

- TMW-127: SAMPLE IDENTIFIER
- 4/27/2012: SAMPLE DATE
- mg/L: SAMPLE UNITS
- 0.00042 J: SAMPLE RESULT
- DETECTED ANALYTES

mg/L MILLIGRAMS/LITER
J ESTIMATED VALUE
ND NOT DETECTED
EXCEEDS CRITERIA

figure 4.6

DETECTED GROUNDWATER ANALYTICAL DATA
SB-127 AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

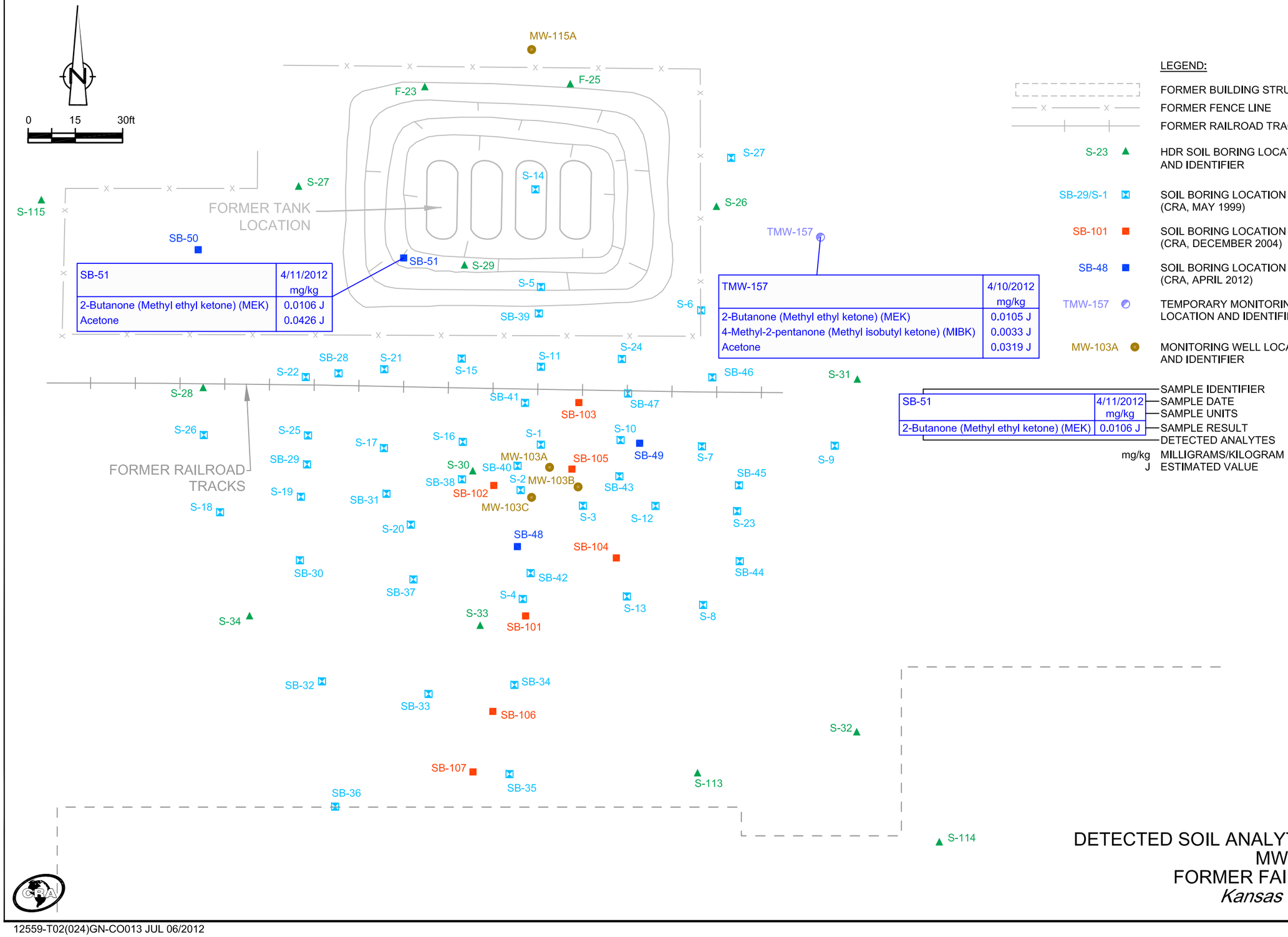
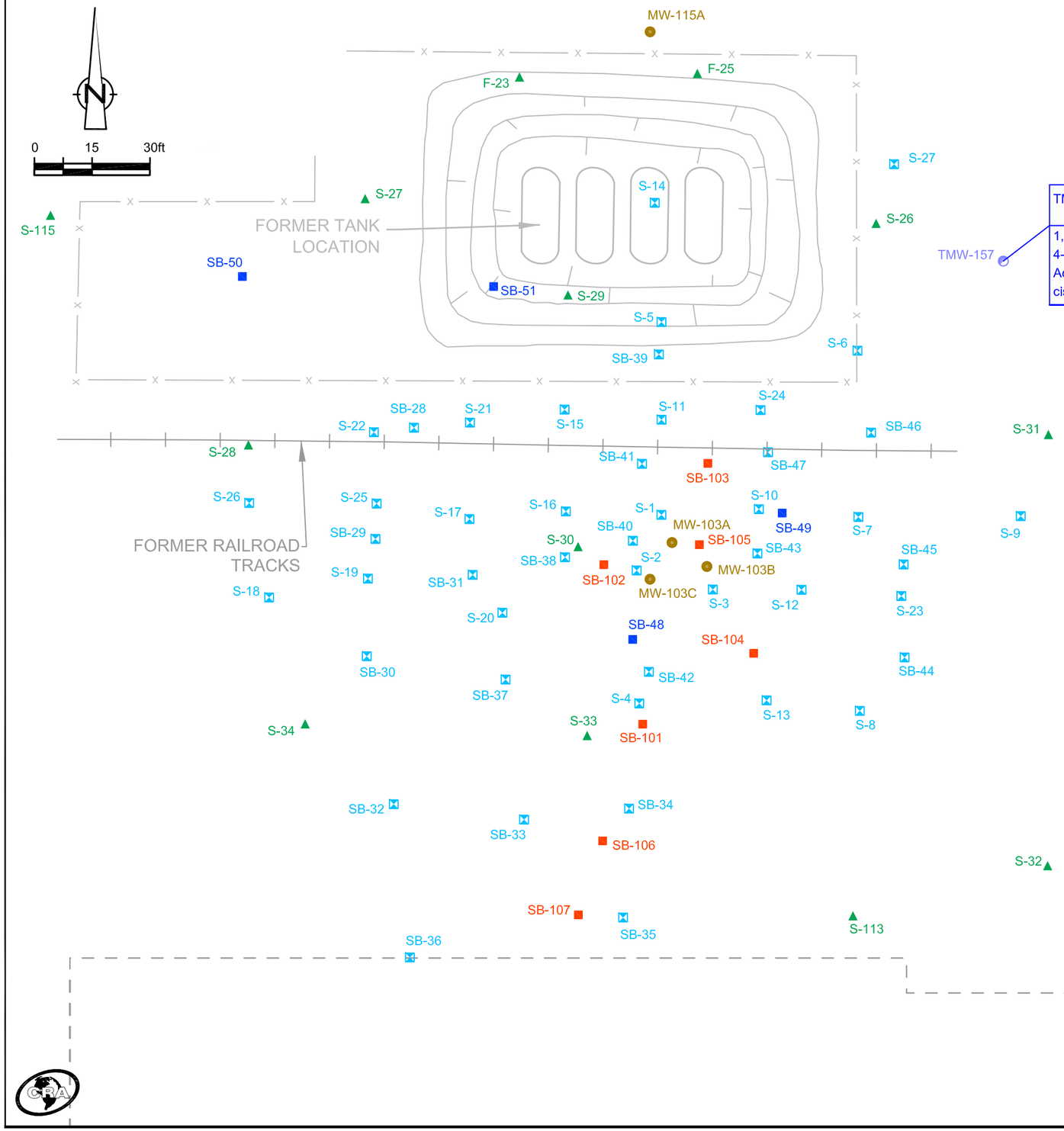


figure 4.7

DETECTED SOIL ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO013 JUL 06/2012



TMW-157	4/26/2012 mg/L	5/9/2012 mg/L
1,2-Dichloroethene (total)	0.00014 J	0.00028 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ND	0.00054 J
Acetone	ND	0.0045 J
cis-1,2-Dichloroethene	ND	0.00028 J

LEGEND:

- FORMER BUILDING STRUCTURE
- FORMER FENCE LINE
- FORMER RAILROAD TRACKS
- S-23 — HDR SOIL BORING LOCATION AND IDENTIFIER
- SB-29/S-1 — SOIL BORING LOCATION AND IDENTIFIER (CRA, MAY 1999)
- SB-101 — SOIL BORING LOCATION AND IDENTIFIER (CRA, DECEMBER 2004)
- SB-48 — SOIL BORING LOCATION AND IDENTIFIER (CRA, APRIL 2012)
- TMW-157 — TEMPORARY MONITORING WELL BORING LOCATION AND IDENTIFIER
- MW-103A — MONITORING WELL LOCATION AND IDENTIFIER

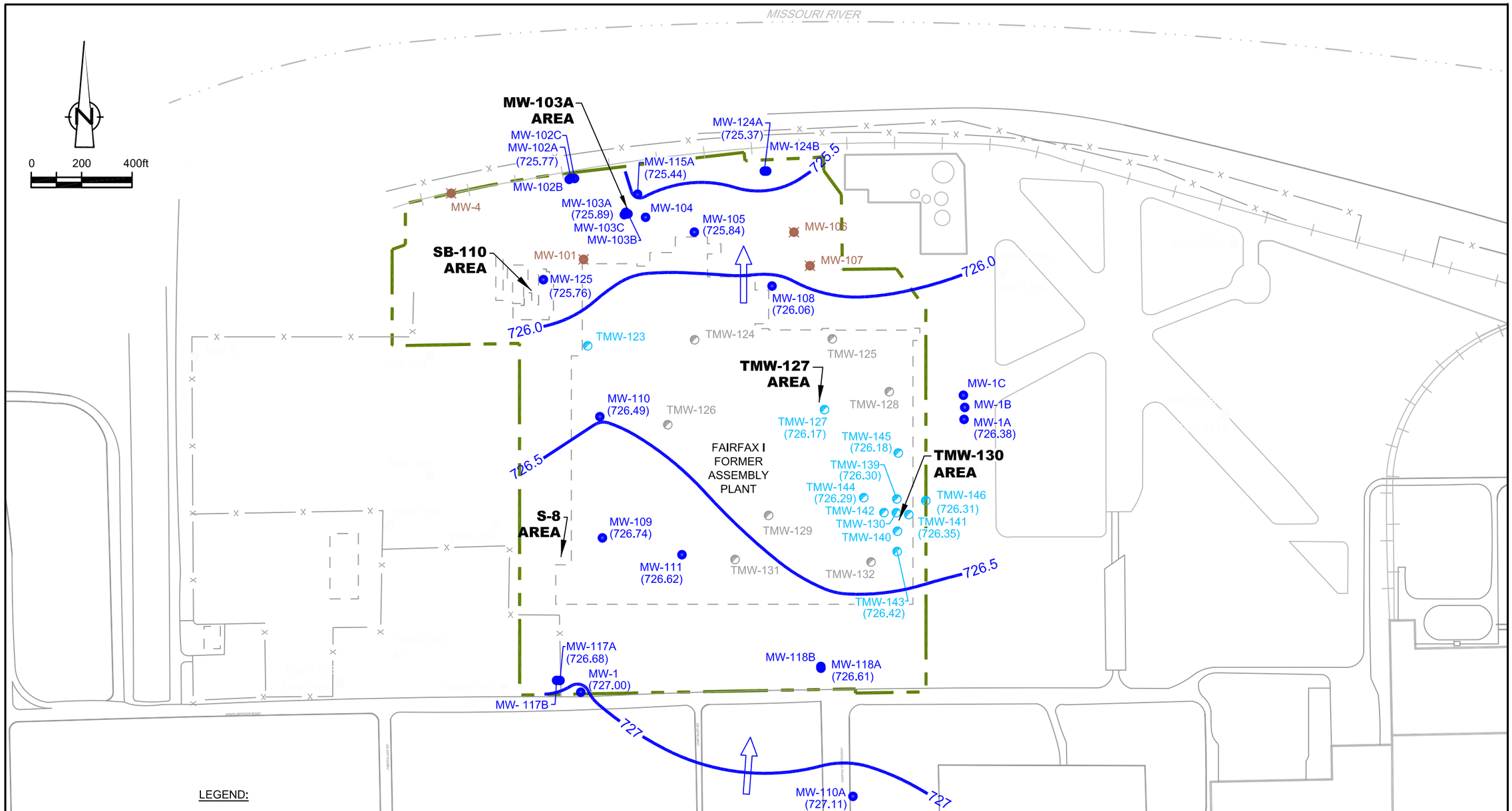
TMW-157	4/26/2012	← SAMPLE IDENTIFIER
	mg/L	← SAMPLE DATE / SAMPLE UNITS
1,2-Dichloroethene (total)	0.00014 J	← SAMPLE RESULT / DETECTED ANALYTES

mg/L MILLIGRAMS/LITER
J ESTIMATED VALUE
ND NOT DETECTED

figure 4.8

DETECTED GROUNDWATER ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO019 JUL 05/2012



LEGEND:

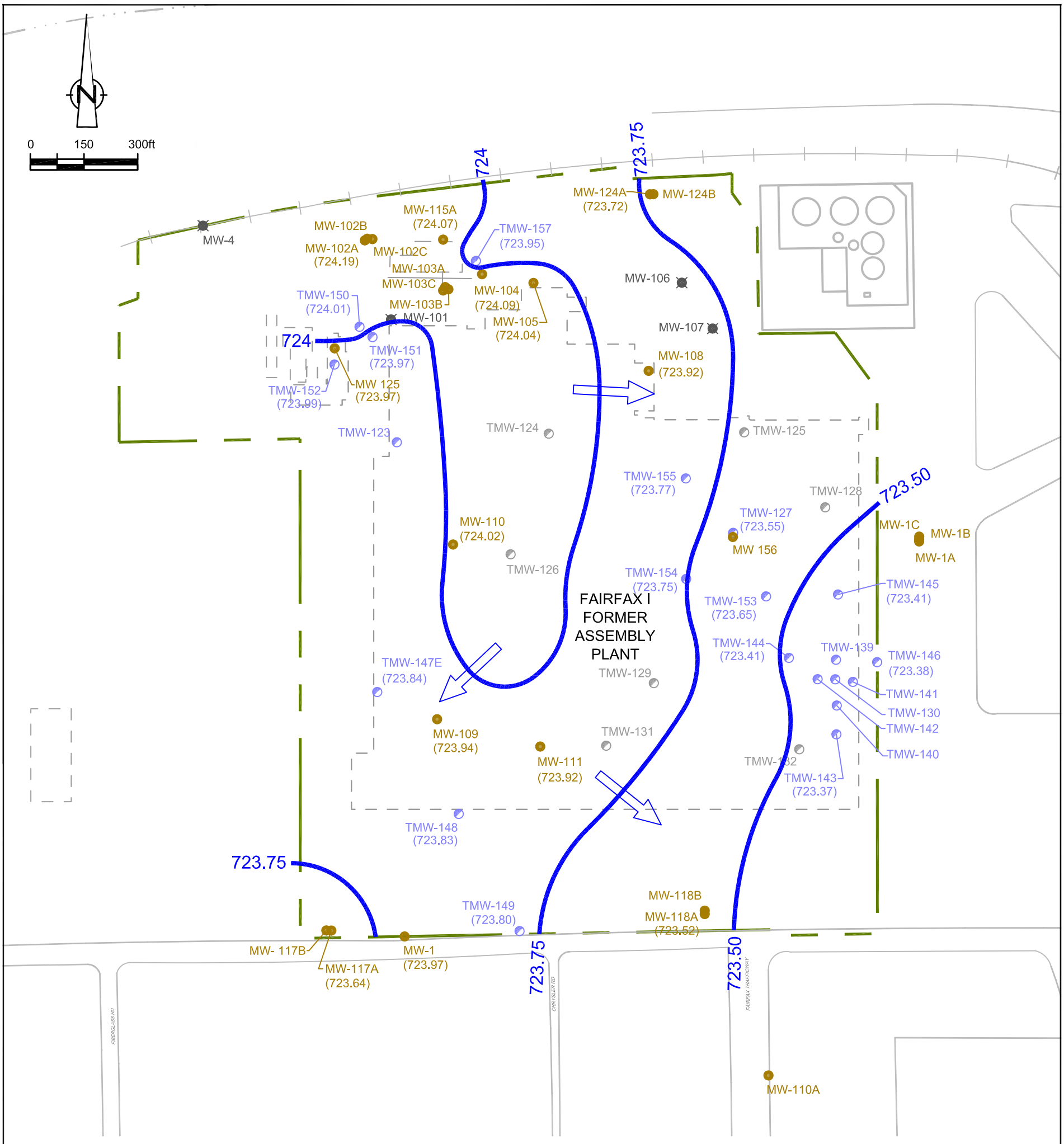
- FORMER FAIRFAX I PROPERTY BOUNDARY (PROPERTY ID 1289-1)
- FENCE LINE
- FORMER RAILROAD TRACK
- APPROXIMATE OUTLINE OF FORMER FAIRFAX I ASSEMBLY PLANT BUILDING
- MW-1 — EXISTING MONITORING WELL LOCATION AND IDENTIFIER
- TMW-130 — TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- TMW-124 — FORMER TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- MW-3 — FORMER MONITORING WELL LOCATION AND IDENTIFIER

NOTE:
THE MEASUREMENT OBTAINED FROM MW-104 APPEARS ANOMALOUS AND WAS NOT USED IN CONTOURING

figure 4.9

GROUNDWATER ELEVATIONS CONTOURS
DECEMBER 8, 2011
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO010 JUL 06/2012



LEGEND:

- FORMER FAIRFAX I PROPERTY BOUNDARY (PROPERTY ID 1289-1)
- FORMER BUILDING STRUCTURE
- FORMER FENCE LINE
- FORMER RAILROAD TRACKS
- MW-102A — MONITORING WELL LOCATION AND IDENTIFIER
- TMW-130 — TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- MW-4 — FORMER MONITORING WELL LOCATION AND IDENTIFIER
- TMW-124 — FORMER TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER

figure 4.10

GROUNDWATER ELEVATION CONTOURS MAY 8, 2012 FORMER FAIRFAX I SITE

Kansas City, Kansas

12559-T02(024)GN-CO009 JUN 22/2012

MW-103A	12/13/2011 mg/L
2,4-Dimethylphenol	0.35/0.33
2-Butanone (Methyl ethyl ketone) (MEK)	1.3 J/1.1 J
2-Methylnaphthalene	0.0074 J/0.0087 J
2-Methylphenol	0.55/0.45
3&4-Methylphenol	0.72/0.58
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	33/34
Acetone	70/70
Ethylbenzene	2.4/2.6
Naphthalene	0.26/0.28
Toluene	57/61
Total Petroleum Hydrocarbons (C10-C20) DRO	7.9/9.8
Total Petroleum Hydrocarbons (C6-C10) GRO	180/180
Xylenes (total)	26/28

MW-103B	12/14/2011 mg/L
cis-1,2-Dichloroethene	0.0044

MW-125	12/12/2011 mg/L
cis-1,2-Dichloroethene	0.00031 J/0.0003 J
Trichloroethene	0.00021 J/0.0002 J

TMW-123	12/12/2011 mg/L
cis-1,2-Dichloroethene	0.00067 J
Trichloroethene	0.0003 J
Trichlorofluoromethane (CFC-11)	0.0065

MW-111	12/12/2011 mg/L
cis-1,2-Dichloroethene	0.023
trans-1,2-Dichloroethene	0.0019
Vinyl chloride	0.0013

MW-109	12/13/2011 mg/L
cis-1,2-Dichloroethene	0.0057
Tetrachloroethene	0.0003 J
trans-1,2-Dichloroethene	0.00073 J

MW-124B	12/14/2011 mg/L
Chlorobenzene	0.00016 J

MW-104	12/12/2011 mg/L
Cyclohexane	0.0003 J
Methyl cyclohexane	0.00068 J

MW-105	12/12/2011 mg/L
cis-1,2-Dichloroethene	0.00043 J
Tetrachloroethene	0.00034 J
Trichloroethene	0.0009 J

TMW-127	12/13/2011 mg/L
cis-1,2-Dichloroethene	0.14
Ethylbenzene	0.0032 J
Toluene	0.039
trans-1,2-Dichloroethene	0.0029 J
Vinyl chloride	0.0031 J
Xylenes (total)	0.033

MW-1A	12/13/2011 mg/L
cis-1,2-Dichloroethene	0.00018 J

TMW-144	12/14/2011 mg/L
cis-1,2-Dichloroethene	0.0071
trans-1,2-Dichloroethene	0.00031 J
Trichloroethene	0.0005 J

TMW-139	12/14/2011 mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	0.11
Benzene	0.045
Cyclohexane	0.0015 J
Ethylbenzene	0.0081 J

TMW-146	12/14/2011 mg/L
Benzene	0.00015 J
Total Petroleum Hydrocarbons (C10-C20) DRO	0.33

TMW-143	12/14/2011 mg/L
Tetrachloroethene	0.0011

MW-118B	12/15/2011 mg/L
cis-1,2-Dichloroethene	0.025
trans-1,2-Dichloroethene	0.00089 J
Vinyl chloride	0.0038

MW-118A	12/13/2011 mg/L
cis-1,2-Dichloroethene	0.004
Trichloroethene	0.00024 J

MW-117B	12/15/2011 mg/L
cis-1,2-Dichloroethene	0.0013

MW-110A	12/13/2011 mg/L
cis-1,2-Dichloroethene	0.0016
Tetrachloroethene	0.0062
Trichloroethene	0.00058 J

MW-4, MW-102A, MW-102B, MW-102C, MW-115A, MW-124A, MW-124B, MW-103C, MW-101, MW-103B, MW-103A, MW-105, MW-104, MW-106, MW-107, MW-108, MW-1C, MW-1B, MW-1A, MW-110, MW-117B, MW-117A, MW-1, MW-118B, MW-118A, MW-110A

TMW-157, TMW-150, MW 125, TMW-151, TMW-152, TMW-124, TMW-125, TMW-123, TMW-155, TMW-128, TMW-127, TMW-126, TMW-154, TMW-153, TMW-145, TMW-144, TMW-146, TMW-139, TMW-142, TMW-130, TMW-140, TMW-141, TMW-143, TMW-147E, TMW-129, TMW-131, TMW-132, TMW-148, TMW-149

FAIRFAX I FORMER ASSEMBLY PLANT

CHRYSLER RD

FAIRFAX TRAFFICWAY

0 100 300ft

LEGEND:

- FORMER FAIRFAX I PROPERTY BOUNDARY (PROPERTY ID 1289-1)
- FORMER BUILDING STRUCTURE
- FORMER RAILROAD TRACKS
- MW-102A — MONITORING WELL LOCATION AND IDENTIFIER
- TMW-130 — TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- MW-4 — FORMER MONITORING WELL LOCATION AND IDENTIFIER
- TMW-124 — FORMER TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER

MW-103A	12/13/2011 mg/L
2,4-Dimethylphenol	0.35/0.33

- MW-103A — SAMPLE IDENTIFIER
- 12/13/2011 — SAMPLE DATE
- mg/L — SAMPLE UNITS
- 0.35/0.33 — SAMPLE RESULT/DUPLICATE SAMPLE RESULT
- 2,4-Dimethylphenol — DETECTED ANALYTES
- mg/L — MILLIGRAMS/LITER
- J — ESTIMATED VALUE
- EXCEEDS CRITERIA

figure 4.11

DETECTED GROUNDWATER ANALYTICAL DATA
DECEMBER 2011
FORMER FAIRFAX I SITE
Kansas City, Kansas

12559-T02(024)GN-CO020 JUL 06/2012

TABLE 3.1

LIST OF MONITORING WELLS SAMPLED
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

December 2011 Comprehensive Sampling Event				
Permanent Shallow Monitoring Wells	*Permanent Intermediate/Deep Monitoring Wells*	*Temporary Monitoring Wells*	*April 2012 Event*	*May 2012 Event*
MW-1	MW-102C	TMW-123	MW-103A	TMW-147E
MW-1A	MW-103B	TMW-127	MW-125	TMW-148
MW-1B	MW-103C	TMW-130	TMW-127	TMW-149
MW-1C	MW-117B	TMW-139	TMW-130	TMW-150
MW-102A	MW-118B	TMW-140	TMW-139	TMW-151
MW-103A	MW-124B	TMW-141	TMW-140	TMW-152
MW-104		TMW-142	TMW-141	TMW-153
MW-105		TMW-143	TMW-142	TMW-154
MW-108		TMW-144	TMW-147E	TMW-155
MW-109		TMW-145	TMW-148	MW-156
MW-110		TMW-146	TMW-149	TMW-157
MW-110A			TMW-150	
MW-111			TMW-151	
MW-115A			TMW-152	
MW-117A			TMW-153	
MW-118A			TMW-154	
MW-124A			TMW-155	
MW-125			MW-156	
			TMW-157	

TABLE 4.1

SUMMARY OF MONITORING WELL DEVELOPMENT PURGING
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Well Identifier	*Date*	*Depth to Water (ft btoc)* [1]	*Well Volume (gallons)*	*Well Total Depth (ft btoc)*	*Volume Purged (gallons)*	*Observations*
TMW-147E	4/16/2012	20.27	1.58	30.15	35	Clear
TMW-148	4/18/2012	22.02	1.32	30.27	40	Clear
TMW-149	4/18/2012	22.16	1.13	29.20	35	Clear
TMW-150	4/16/2012	22.25	1.22	29.85	35	Clear
TMW-151	4/18/2012	20.82	1.49	30.15	35	Clear
TMW-152	4/16/2012	20.03	1.47	29.21	45	Clear
TMW-153	4/17/2012	22.17	1.29	30.22	45	Clear
TMW-154	4/17/2012	21.66	1.36	30.14	40	Clear
TMW-155	4/17/2012	22.50	1.24	30.22	55	Clear
MW-156	4/18/2012	23.22	6.28	62.48	80	Clear
TMW-157	4/17/2012	23.42	0.93	29.25	45	Clear

[1] ft btoc - feet below top of casing

TABLE 4.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
APRIL AND MAY 2012
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	*Date*	*Time*	*Pumping Rate (mL/min)*	*Static Water Level (ft btoc)*	*Water Level (ft btoc)*	*pH (Std. Units)*	*Temperature (°C)*	*Conductivity (µS/cm)*	*ORP (mV)*	*Dissolved Oxygen (mg/L)*	*Turbidity (NTU)*	*Other*
April 2012												
MW-125	04/27/12	10:50	Start Pump	21.55	- -	- -	- -	- -	- -	- -	- -	- -
		10:55	250		21.55	6.74	14.97	1140	-88.8	1.59	141	Slightly cloudy
		11:00	250		21.55	6.66	15.15	1157	-96.3	0.31	64.0	Clear
		11:05	250		21.55	6.67	15.54	1169	-100.6	0.23	62.8	Clear
		11:10	250		21.55	6.74	15.66	1177	-104.4	0.22	53.6	Clear
		11:15	250		21.55	6.70	15.33	1174	-102.4	0.20	43.4	Clear
		11:20	250		21.56	6.72	15.10	1170	-104.1	0.17	38.9	Clear
		11:25	300		21.56	6.71	14.84	1164	-101.6	0.15	21.3	Clear
		11:30	300		21.56	6.71	14.88	1166	-99.9	0.16	19.3	Clear
		11:35	300		21.56	6.72	14.99	1169	-101.4	0.15	11.1	Clear
TMW-127	04/27/12	8:45	Start Pump	22.35	- -	- -	- -	- -	- -	- -	- -	- -
		8:55	350		22.38	6.93	14.19	1010	-90.6	1.12	2.39	Clear
		9:00	350		22.38	6.94	14.18	1020	-96.3	0.80	1.05	Clear
		9:05	350		22.38	6.96	14.17	1035	-99.7	0.57	1.00	Clear
		9:10	350		22.37	6.96	14.16	1037	-100.9	0.53	1.54	Clear
		9:15	350		22.37	6.96	14.17	1039	-101.3	0.51	1.37	Clear
TMW-147	04/27/12	9:45	Start Pump	20.12	- -	- -	- -	- -	- -	- -	- -	- -
		9:55	310		20.16	6.72	14.53	1362	53.2	1.57	21.7	Clear
		10:00	310		20.14	6.71	14.56	1337	54.2	1.39	22.2	Clear
		10:05	310		20.14	6.70	14.61	1321	48.1	1.27	9.6	Clear
		10:10	310		20.14	6.70	14.58	1315	47.4	1.25	5.5	Clear
		10:15	310		20.14	6.69	14.62	1313	48.5	1.24	3.9	Clear

TABLE 4.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
APRIL AND MAY 2012
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	*Date*	*Time*	*Pumping Rate (mL/min)*	*Static Water Level (ft btoc)*	*Water Level (ft btoc)*	*pH (Std. Units)*	*Temperature (°C)*	*Conductivity (µS/cm)*	*ORP (mV)*	*Dissolved Oxygen (mg/L)*	*Turbidity (NTU)*	*Other*
TMW-148	04/26/12	14:20	Start Pump	21.97	- -	- -	- -	- -	- -	- -	- -	- -
		14:30	200		21.97	6.81	17.66	767	16.9	2.17	52.7	Clear
		14:35	200		21.95	6.66	17.89	765	27.5	1.37	52.1	Clear
		14:40	200		21.95	6.70	17.03	781	26.4	0.77	43.5	Clear
		14:45	200		21.95	6.69	17.75	784	25.0	0.66	41.1	Clear
		14:50	200		21.96	6.68	17.77	792	21.2	0.53	33.6	Clear
		14:55	200		21.97	6.67	17.81	796	18.4	0.43	23.4	Clear
		15:00	200		21.97	6.69	17.88	800	16.9	0.35	22.8	Clear
TMW-149	04/26/12	9:40	Start Pump	22.15	- -	- -	- -	- -	- -	- -	- -	- -
		9:50	250		22.17	6.55	19.16	1189	71.4	2.51	> 1000	Cloudy
		9:55	250		22.17	6.48	18.86	1203	59.7	0.74	114	Cloudy
		10:00	250		22.17	6.52	18.86	1204	54.7	0.61	34.5	Clear
		10:05	250		22.17	6.54	18.90	1206	52.9	0.51	22.2	Clear
		10:10	250		22.18	6.54	18.99	1208	52.4	0.46	19.5	Clear
TMW-150	04/27/12	8:35	Start Pump	22.32	- -	- -	- -	- -	- -	- -	- -	- -
		8:40	200		22.32	5.95	13.88	1037	-24.1	1.25	12.5	Clear
		8:45	200		22.33	6.21	13.70	1047	-42.3	0.70	9.9	Clear
		8:50	200		22.33	6.34	13.70	1047	-44.4	0.66	7.6	Clear
		8:55	200		22.34	6.38	13.68	1046	-46.6	0.48	5.1	Clear
		9:00	200		22.34	6.41	13.66	1046	-49.1	0.34	1.3	Clear
TMW-151	04/27/12	9:45	Start Pump	20.81	- -	- -	- -	- -	- -	- -	- -	- -
		9:55	250		20.82	6.64	13.62	954	-2.6	1.80	28.2	Clear
		10:00	250		20.82	6.46	13.68	948	12.4	0.48	25.6	Clear
		10:05	250		20.83	6.49	13.88	955	4.6	0.51	23.3	Clear
		10:10	250		20.83	6.55	14.09	960	-0.1	0.48	20.2	Clear
		10:15	250		20.83	6.57	14.15	966	-0.4	0.33	14.6	Clear
		10:20	250		20.83	6.60	14.33	968	-0.2	0.20	10.1	Clear

TABLE 4.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
APRIL AND MAY 2012
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	*Date*	*Time*	*Pumping Rate (mL/min)*	*Static Water Level (ft btoc)*	*Water Level (ft btoc)*	*pH (Std. Units)*	*Temperature (°C)*	*Conductivity (µS/cm)*	*ORP (mV)*	*Dissolved Oxygen (mg/L)*	*Turbidity (NTU)*	*Other*
TMW-152	04/26/12	13:30	Start Pump	20.03	- -	- -	- -	- -	- -	- -	- -	- -
		13:35	250		20.05	6.43	16.95	1250	0.6	1.39	57.7	Clear
		13:40	200		20.05	6.27	16.38	1231	15.7	0.52	52.1	Clear
		13:45	200		20.05	6.39	16.50	1234	7.0	0.37	27.5	Clear
		13:50	200		20.05	6.45	16.51	1236	2.6	0.33	2.33	Clear
		13:55	200		20.05	6.47	16.53	1237	1.6	0.31	1.73	Clear
TMW-153	04/26/12	15:35	Start Pump	22.09	- -	- -	- -	- -	- -	- -	- -	- -
		15:40	350		22.09	6.87	15.25	983	-20.1	0.64	4.55	Clear
		15:45	350		22.09	6.87	15.20	982	-15.7	0.47	1.83	Clear
		15:50	350		22.09	6.85	15.18	979	-11.7	0.32	1.59	Clear
		15:55	350		22.09	6.84	15.16	977	-7.9	0.27	1.63	Clear
		16:00	350		22.09	6.83	15.17	975	-7.4	0.26	1.51	Clear
		16:05	350		22.09	6.83	15.16	974	-7.1	0.25	1.55	Clear
TMW-154	04/26/12	10:50	Start Pump	22.60	- -	- -	- -	- -	- -	- -	- -	- -
		10:55			22.60	7.04	16.95	1577	-126.2	1.11	> 1000	Cloudy
		11:00			22.62	6.66	17.01	1589	-131.5	0.83	> 1000	Cloudy
		11:05			22.64	6.40	16.62	1601	-123.4	0.64	> 1000	Cloudy
		11:10			22.65	6.54	17.11	1612	-134.6	0.28	> 1000	Cloudy
		11:15			22.65	6.57	17.22	1615	-139.6	0.28	250.0	Cloudy
		11:20			22.65	6.59	17.48	1624	-145.2	0.26	78.8	Cloudy
		11:25			22.65	6.60	17.93	1639	-145.5	0.23	41.9	Clear
		11:30			22.65	6.62	18.58	1662	-140.7	0.25	29.8	Clear
		11:35			22.65	6.62	18.59	1664	-139.5	0.26	18.9	Clear

TABLE 4.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
APRIL AND MAY 2012
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	*Date*	*Time*	*Pumping Rate (mL/min)*	*Static Water Level (ft btoc)*	*Water Level (ft btoc)*	*pH (Std. Units)*	*Temperature (°C)*	*Conductivity (µS/cm)*	*ORP (mV)*	*Dissolved Oxygen (mg/L)*	*Turbidity (NTU)*	*Other*
TMW-155	04/26/12	15:30	Start Pump	22.42	- -	- -	- -	- -	- -	- -	- -	- -
		15:40	250		22.43	6.63	16.92	1170	6.7	5.25	55.9	Clear
		15:45	250		22.43	6.60	16.81	1176	4.3	4.86	41.3	Clear
		15:50	250		22.42	6.59	16.70	1179	2.1	3.14	36.1	Clear
		15:55	250		22.43	6.60	16.41	1181	0.6	1.25	24.0	Clear
		16:00	250		22.44	6.59	16.36	1176	-4.3	0.77	11.6	Clear
		16:05	250		22.45	6.58	16.28	1174	-8.2	0.24	4.1	Clear
		16:10	250		22.45	6.57	16.33	1175	-9.1	0.20	3.6	Clear
TMW-156	04/26/12	14:45	Start Pump	23.11	- -	- -	- -	- -	- -	- -	- -	- -
		14:50	280		23.12	7.38	18.07	1073	-155.3	0.43	57.3	Slightly cloudy
		15:00	280		23.12	7.34	15.79	1076	-150.4	0.30	37.4	Slightly cloudy
		15:10	280		23.12	7.39	16.05	1081	-154.0	0.25	19.6	Clear
		15:15	280		23.12	7.39	16.02	1079	-155.3	0.24	13.3	Clear
		15:20	280		23.12	7.39	16.03	1077	-155.6	0.24	6.5	Clear
TMW-157	04/26/12	12:20	Start Pump	23.45	- -	- -	- -	- -	- -	- -	- -	- -
		12:35	250		23.47	6.68	19.73	1553	-129.3	1.14	27.7	Clear
		12:40	250		23.47	6.53	19.03	1583	-120.9	0.61	19.6	Clear
		12:45	200		23.47	6.52	20.08	1556	-116.2	2.84	21.5	Clear
		12:50	200		23.47	6.75	20.84	1580	-113.5	2.06	17.2	Clear
		12:55	200		23.48	6.74	21.06	1591	-115.0	0.32	13.1	Clear
		13:00	200		23.47	6.78	21.11	1599	-117.3	0.28	12.8	Clear

TABLE 4.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
APRIL AND MAY 2012
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	*Date*	*Time*	*Pumping Rate (mL/min)*	*Static Water Level (ft btoc)*	*Water Level (ft btoc)*	*pH (Std. Units)*	*Temperature (°C)*	*Conductivity (µS/cm)*	*ORP (mV)*	*Dissolved Oxygen (mg/L)*	*Turbidity (NTU)*	*Other*
May 2012												
TMW-147	05/10/12	10:57	Start Pump	20.10	- -	- -	- -	- -	- -	- -	- -	- -
		11:15	300		20.11	6.65	17.83	1476	NM	9.01	266	Cloudy
		11:20	300		20.11	6.34	17.01	1462	NM	1.75	101	Cloudy
		11:25	300		20.11	6.42	17.95	1499	NM	1.44	57.5	Cloudy
		11:30	300		20.11	6.43	17.92	1500	NM	1.24	49.8	Clear
		11:35	300		20.11	6.43	18.00	1515	NM	0.99	19.3	Clear
		11:40	300		20.11	6.44	18.65	1535	NM	1.40	17.6	Clear
		11:45	300		20.11	6.45	18.85	1544	NM	1.65	14.8	Clear
		11:50	300		20.11	6.44	19.00	1547	NM	1.65	14.8	Clear
		11:55	300		20.11	6.45	19.04	1546	NM	1.67	13.7	Clear
TMW-148	05/10/12	10:15	Start Pump	21.89	- -	- -	- -	- -	- -	- -	- -	- -
		10:20	300		21.91	6.65	17.39	705	NM	1.27	8.9	Clear
		10:25	300		21.91	6.60	17.20	715	NM	0.67	6.2	Clear
		10:30	300		21.91	6.65	17.42	750	NM	0.48	4.1	Clear
		10:35	300		21.91	6.63	17.47	761	NM	0.40	4.2	Clear
		10:40	300		21.91	6.64	17.74	771	NM	0.34	3.9	Clear
TMW-149	05/10/12	9:10	Start Pump	22.07	- -	- -	- -	- -	- -	- -	- -	- -
		9:20	300		22.07	6.66	18.51	1197	NM	2.22	20.3	Clear
		9:25	300		22.08	6.65	18.65	1202	NM	1.18	7.75	Clear
		9:30	300		22.08	6.63	18.63	1205	NM	0.76	4.94	Clear
		9:35	300		22.08	6.62	18.65	1207	NM	0.56	3.50	Clear
		9:40	300		22.08	6.60	18.75	1208	NM	0.47	2.89	Clear
		9:45	300		22.08	6.62	18.73	1207	NM	0.43	1.79	Clear

TABLE 4.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
APRIL AND MAY 2012
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	*Date*	*Time*	*Pumping Rate (mL/min)*	*Static Water Level (ft btoc)*	*Water Level (ft btoc)*	*pH (Std. Units)*	*Temperature (°C)*	*Conductivity (µS/cm)*	*ORP (mV)*	*Dissolved Oxygen (mg/L)*	*Turbidity (NTU)*	*Other*
TMW-150	05/09/12	14:50	Start Pump	22.05	--	--	--	--	--	--	--	--
		15:00	350		22.06	6.45	14.64	1025	NM	2.18	25.3	Clear
		15:05	350		22.06	6.48	14.56	1022	NM	3.16	23.8	Clear
		15:10	350		22.06	6.51	14.55	1023	NM	2.05	20.1	Clear
		15:15	350		22.06	6.52	14.57	1023	NM	1.91	17.7	Clear
		15:20	350		22.06	6.52	14.52	1023	NM	1.73	16.6	Clear
		15:25	350		22.06	6.56	15.00	1035	NM	1.51	13.9	Clear
		15:30	350		22.06	6.60	15.10	1041	NM	1.50	11.3	Clear
		15:35	350		22.05	6.58	15.00	1039	NM	1.31	8.61	Clear
		15:40	350		22.05	6.56	14.97	1037	NM	1.29	6.37	Clear
		15:45	350		22.05	6.54	14.91	1033	NM	1.20	5.08	Clear
TMW-151	05/10/12	12:20	Start Pump	20.51	--	--	--	--	--	--	--	--
		12:25	300		20.55	6.86	15.33	980	NM	5.00	17.8	Clear
		12:30	300		20.55	6.34	14.36	939	NM	2.52	5.43	Clear
		12:35	300		20.55	6.41	14.35	937	NM	2.47	4.47	Clear
		12:40	300		20.55	6.53	14.45	935	NM	2.06	4.93	Clear
		12:45	300		20.56	6.58	14.53	934	NM	1.73	3.36	Clear
		12:50	300		20.56	6.59	14.47	934	NM	1.65	3.39	Clear
		12:55	300		20.56	6.63	14.51	936	NM	1.58	2.85	Clear
TMW-152	05/10/12	13:15	Start Pump	19.76	--	--	--	--	--	--	--	--
		13:20	250		19.77	6.60	15.85	1240	NM	1.95	6.81	Clear
		13:25	250		19.77	6.40	16.21	1255	NM	0.91	4.42	Clear
		13:30	250		19.77	6.48	16.21	1258	NM	0.58	3.12	Clear
		13:35	250		19.77	6.53	16.31	1260	NM	0.42	2.91	Clear
		13:40	250		19.77	6.53	16.23	1259	NM	0.38	2.79	Clear
		13:45	250		19.77	6.54	16.26	1258	NM	0.29	1.76	Clear

TABLE 4.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
APRIL AND MAY 2012
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	*Date*	*Time*	*Pumping Rate (mL/min)*	*Static Water Level (ft btoc)*	*Water Level (ft btoc)*	*pH (Std. Units)*	*Temperature (°C)*	*Conductivity (µS/cm)*	*ORP (mV)*	*Dissolved Oxygen (mg/L)*	*Turbidity (NTU)*	*Other*
TMW-153	05/09/12	12:50	Start Pump	22.09	- -	- -	- -	- -	- -	- -	- -	- -
		13:10	300		22.09	6.77	18.63	1067	NM	2.63	25.9	Clear
		13:15	300		22.09	6.68	19.01	1067	NM	1.79	21.8	Clear
		13:20	300		22.09	6.69	18.35	1063	NM	1.77	17.1	Clear
		13:25	300		22.09	6.68	19.00	1064	NM	1.05	13.3	Clear
		13:30	300		22.09	6.66	19.79	1080	NM	0.76	10.5	Clear
		13:40	300		22.09	6.69	20.00	1096	NM	0.68	8.86	Clear
		13:45	300		22.09	6.68	19.80	1089	NM	0.67	8.15	Clear
		13:50	300		22.09	6.68	20.18	1100	NM	0.59	6.36	Clear
TMW-154	05/09/12	9:50	Start Pump	21.61	- -	- -	- -	- -	- -	- -	- -	- -
		10:00	250		21.60	6.57	15.07	1601	NM	1.62	29.6	Clear
		10:05	250		21.60	6.56	15.10	1596	NM	0.74	20.5	Clear
		10:10	250		21.60	6.58	15.08	1590	NM	0.31	19.2	Clear
		10:15	250		21.60	6.57	15.37	1597	NM	0.28	18.9	Clear
		10:20	250		21.60	6.59	15.47	1602	NM	0.25	18.6	Clear
TMW-155	05/09/12	11:10	Start Pump	22.43	- -	- -	- -	- -	- -	- -	- -	- -
		11:20	300		22.43	6.67	16.83	1195	NM	2.50	41.6	Clear
		11:25	300		22.43	6.60	16.51	1178	NM	1.25	32.4	Clear
		11:30	300		22.43	6.58	16.60	1179	NM	0.57	21.6	Clear
		11:35	300		22.43	6.57	16.62	1180	NM	0.45	10.4	Clear
		11:40	300		22.43	6.56	16.61	1182	NM	0.41	6.34	Clear

TABLE 4.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
APRIL AND MAY 2012
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	*Date*	*Time*	*Pumping Rate (mL/min)*	*Static Water Level (ft btoc)*	*Water Level (ft btoc)*	*pH (Std. Units)*	*Temperature (°C)*	*Conductivity (µS/cm)*	*ORP (mV)*	*Dissolved Oxygen (mg/L)*	*Turbidity (NTU)*	*Other*
TMW-156	05/09/12	12:00	Start Pump	23.12	- -	- -	- -	- -	- -	- -	- -	- -
		12:10	300		23.13	7.01	17.96	1158	NM	2.59	40.4	Slightly cloudy
		12:15	300		23.13	7.00	17.87	1169	NM	1.54	38.4	Slightly cloudy
		12:20	300		23.13	6.98	18.18	1183	NM	1.20	26.3	Clear
		12:25	300		23.12	7.00	18.61	1202	NM	1.01	15.7	Clear
		12:30	300		23.12	7.02	18.74	1207	NM	0.82	11.9	Clear
		12:35	300		23.12	7.00	18.90	1214	NM	0.72	11.3	Clear
		12:40	300		23.12	7.01	18.94	1217	NM	0.62	11.1	Clear
TMW-157	05/09/12	14:10	Start Pump	23.23	- -	- -	- -	- -	- -	- -	- -	- -
		14:20	300		23.25	6.64	16.18	1360	NM	2.21	9.53	Clear
		14:25	300		23.25	6.68	16.02	1364	NM	2.11	8.72	Clear
		14:30	300		23.25	6.67	16.09	1362	NM	2.14	7.18	Clear

Notes:
ml/min - milliliters per minute
ft btoc - feet below top of casing
Std Units - Standard Units
^{o}C - degrees celcius
µS/cm - microsiemens per centimeter
ORP - oxidation reduction potential
mV - millivolts
mg/L - milligrams per liter
NTU - nephelometric turbidity units

TABLE 4.3

MONITORING WELL CONSTRUCTION DETAILS
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

	Reference Elevation				*Screened Interval*			
					Depth		*Elevation*	
Monitoring Well	*Top of Casing (ft AMSL)* [1]	*Ground Surface (ft AMSL)*	*Completion Date*	*Well Material* [2]	*Top (ft bgs)* [3]	*Bottom (ft bgs)*	*Top (ft AMSL)*	*Bottom (ft AMSL)*
MW-1	746.43	744.2	9/2/87	PVC	15.0	30.0	729.2	714.2
MW-1A	745.93	743.7	3/27/85	PVC	15.0	35.0	728.7	708.7
MW-1B	745.40	743.6	3/27/85	PVC	65.0	85.0	678.6	658.6
MW-1C	746.13	743.6	4/1/85	PVC	87.0	107.0	656.6	636.6
MW-102A	748.82	746.1	1/9/88	PVC	15.3	30.3	730.8	715.8
MW-102B	749.15	746.1	1/13/88	PVC	52.0	62.0	694.1	684.1
MW-102C	749.20	746.2	1/12/88	PVC	92.5	102.5	653.7	643.7
MW-103A	747.71	745.1	1/88	SS	15.0	30.0	730.1	715.1
MW-103B	746.30	745.1	1/88	SS	--[4]	61.4	--	683.8
MW-103C	745.90	745.1	1/88	SS	--	102.1	--	643.0
MW-104	746.51	744.8	1/10/88	PVC	15.0	30.0	729.8	714.8
MW-105	746.70	744.1	1/8/88	PVC	15.0	30.0	729.1	714.1
MW-108	747.17	744.0	1/6/88	PVC	15.0	30.0	729.0	714.0
MW-109	746.11	743.5	6/89	--	--	30.0	--	713.5
MW-110	745.79	743.8	4/90	--	--	61.2	--	682.6
MW-110A	743.89	743.5	--	--	--	36.1	--	707.4
MW-111	745.96	744.1	4/90	--	--	59.8	--	684.3
MW-115A	748.07	745.7	5/12/99	PVC	11.7	26.7	734.0	719.0
MW-117A	743.72	744.0	12/13/05	PVC	20.0	30.0	724.0	714.0
MW-117B	743.75	744.0	12/15/05	PVC	49.0	59.0	695.0	685.0
MW-118A	747.02	744.0	12/12/05	PVC	20.0	30.0	724.0	714.0
MW-118B	746.86	744.0	12/13/05	PVC	48.5	58.5	695.5	685.5
MW-124A	747.22	744.8	11/10/06	PVC	25.0	35.0	719.8	709.8
MW-124B	747.15	744.6	11/10/06	PVC	50.0	60.0	694.6	684.6
MW-125	745.34	742.3	10/31/07	PVC	25.0	35.0	717.3	707.3
MW-156	746.88	743.7	4/11/12	PVC	49.0	59.0	694.7	684.7
TMW-123	745.16	742.9	11/2/06	PVC	25.0	35.0	717.9	707.9
TMW-127	746.02	743.5	11/3/06	PVC	25.0	35.0	718.5	708.5
TMW-130	744.86	742.8	11/3/06	PVC	25.0	35.0	717.8	707.8
TMW-133	746.44	743.8	10/31/06	PVC	25.0	35.0	718.8	708.8
TMW-134	745.97	743.8	10/30/06	PVC	25.0	35.0	718.8	708.8
TMW-135	745.67	743.6	10/30/06	PVC	25.0	35.0	718.6	708.6

TABLE 4.3

MONITORING WELL CONSTRUCTION DETAILS
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

	Reference Elevation				*Screened Interval*			
					Depth		*Elevation*	
Monitoring Well	*Top of Casing (ft AMSL)* [1]	*Ground Surface (ft AMSL)*	*Completion Date*	*Well Material* [2]	*Top (ft bgs)* [3]	*Bottom (ft bgs)*	*Top (ft AMSL)*	*Bottom (ft AMSL)*
TMW-136	746.04	743.9	10/30/06	PVC	25.0	35.0	718.9	708.9
TMW-138	744.68	742.3	11/6/06	PVC	25.0	35.0	717.3	707.3
TMW-139	745.63	743.0	10/15/07	PVC	20.0	30.0	723.0	713.0
TMW-140	745.13	742.6	10/15/07	PVC	20.0	30.0	722.6	712.6
TMW-141	745.39	742.3	10/16/07	PVC	20.0	30.0	722.3	712.3
TMW-142	744.93	742.8	10/16/07	PVC	20.0	30.0	722.8	712.8
TMW-143	745.28	742.7	10/30/07	PVC	19.0	29.0	723.7	713.7
TMW-144	745.08	742.8	10/30/07	PVC	19.5	29.5	723.3	713.3
TMW-145	745.36	743.0	10/30/07	PVC	19.5	29.5	723.5	713.5
TMW-146	744.93	742.8	10/30/07	PVC	19.0	29.0	723.8	713.8
TMW-147E	744.11	741.6	4/13/12	PVC	17.0	27.0	724.6	714.6
TMW-148	745.85	743.6	4/16/12	PVC	17.0	27.0	726.6	716.6
TMW-149	745.96	743.9	4/16/12	PVC	17.0	27.0	726.9	716.9
TMW-150	746.26	742.7	4/13/12	PVC	17.0	27.0	725.7	715.7
TMW-151	744.79	742.9	4/13/12	PVC	17.0	27.0	725.9	715.9
TMW-152	744.02	742.0	4/16/12	PVC	17.0	27.0	725.0	715.0
TMW-153	745.82	743.1	4/12/12	PVC	17.0	27.0	726.1	716.1
TMW-154	745.41	743.4	4/12/12	PVC	17.0	27.0	726.4	716.4
TMW-155	746.27	743.9	4/12/12	PVC	17.0	27.0	726.9	716.9
TMW-157	747.37	744.9	4/12/12	PVC	17.0	27.0	727.9	717.9

[1] ft AMSL - feet above mean sea level
[2] PVC - polyvinyl chloride; SS - stainless steel
[3] ft bgs - feet below ground surface
[4] -- information not available

Screened interval data is not available for MW-103B/C, MW-109, MW-110, MW-110A, and MW-111. The approximate bottom of screen elevation was calculated using the difference between the surveyed top of casing elevation and the measured well total depth from 12/3/07; the approximate bottom of screen depth below ground surface was calculated using the difference between the surveyed top of casing and ground surface elevations and the measured total depth from 12/3/07.

TABLE 4.4

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
S-8 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-147N*	*SB-147S*	*SB-147W*	*TMW-147E*
Sample Name:						*TMW 147N 18-20*	*TMW 147S 18-20*	*TMW 147W 18-20*	*TMW 147E 18-20*
Sample Date:						*4/9/2012*	*4/9/2012*	*4/9/2012*	*4/9/2012*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*18-20 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*
		Non-Residential		*Residential*					
	Units	*Soil Pathway*	*Soil to GW*	*Soil Pathway*	*Soil to GW*				
Volatile Organic Compounds		*a*	*b*	*c*	*d*				
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	0.121	ND(0.0048)	ND(0.0053)	0.201
2-Butanone (Methyl ethyl ketone) (MEK	mg/kg	101000	57.8	26000	24.2	0.0055 J	ND(0.0096)	ND(0.0106)	0.0111 J
Acetone	mg/kg	406000	204	50300	51.6	0.011 J	ND(0.0192)	ND(0.0211)	0.0381
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	0.101	ND(0.0024)	ND(0.0026)	0.163
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(0.0056)	0.0035 J	0.0043 J	ND(0.0056)
trans-1,2-Dichloroethene	mg/kg	333	1.22	202	1.22	0.0195	ND(0.0024)	ND(0.0026)	0.0372
Trichloroethene	mg/kg	69.8	0.0842	41	0.0842	0.0015 J	ND(0.0048)	ND(0.0053)	0.0064

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/kg - milligrams per kilogram
ft BGS - feet below ground surface
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual- 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE 4.5

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
S-8 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*TMW-147E*	*TMW-147E*	*TMW-148*	*TMW-148*
Sample Name:				*GW-042712-JH-20*	*GW-051012-NL-09*	*GW-042612-JH-09*	*GW-051012-NL-08*
Sample Date:				*4/27/2012*	*5/10/2012*	*4/26/2012*	*5/10/2012*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*					
	Units	*Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*				
Volatile Organic Compounds							
1,1-Dichloroethene	mg/L	0.007	0.007	0.00041 J	0.00013 J	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	0.0174	0.00844	ND(0.001)	ND(0.001)	ND(0.001)	0.00026 J
1,2-Dichloroethene (total)	mg/L	NC	NC	0.177	0.209	0.0028	0.0007 J
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	0.0027 J
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	0.0067 J
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.168[ab]	0.197[ab]	0.0027	0.0007 J
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	ND(0.001)	0.00016 J
Tetrachloroethene	mg/L	0.005	0.005	0.0527[ab]	0.034[ab]	0.00089 J	0.0008 J
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	0.00016 J	0.00015 J
trans-1,2-Dichloroethene	mg/L	0.1	0.1	0.009	0.0121	0.00013 J	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	0.0347[ab]	0.0275[ab]	0.0035	0.0025
Vinyl chloride	mg/L	0.002	0.002	0.00046 J	0.00084 J	ND(0.001)	ND(0.001)

TABLE 4.5

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
S-8 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*TMW-149*	*TMW-149*	*TMW-149*
Sample Name:				*GW-042612-JH-01*	*GW-051012-NL-07*	*GW-051012-NL-FD*
Sample Date:				*4/26/2012*	*5/10/2012*	*5/10/2012*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*				*Duplicate*
	Units	*Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*			
Volatile Organic Compounds						
1,1-Dichloroethene	mg/L	0.007	0.007	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	0.0174	0.00844	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	NC	NC	0.001	0.00094 J	0.001
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.001	0.00094 J	0.001
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	0.00029 J	0.00024 J	0.00014 J
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	0.00011 J

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
--: Not Analyzed
Boxed values exceed criteria
mg/L - milligrams per liter
Risk Based Standards for Kansas, RSK Manual- 5th Version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE 4.6

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
SB-110 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-118A*	*SB-118B*	*SB-119A*	*SB-119B*	*SB-119C*	*SB-120A*
Sample Name:						*SB 118A 6-8*	*SB 118B 8-10*	*SB 119A 18-20*	*SB 119B 18-20*	*SB 119C 18-20*	*SB 120A 18-20*
Sample Date:						*4/10/2012*	*4/11/2012*	*4/16/2012*	*4/17/2012*	*4/10/2012*	*4/9/2012*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*6-8 ft BGS*	*8-10 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*
		Non-Residential		*Residential*							
	Units	*Soil Pathway*	*Soil to GW*	*Soil Pathway*	*Soil to GW*						
Volatile Organic Compounds		*a*	*b*	*c*	*d*						
1,2,4-Trimethylbenzene	mg/kg	126	2.21	54	1.07	ND(0.0048)	0.0224	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	ND(0.0048)	0.0024 J	ND(0.0048)	0.0278	ND(0.0083)	ND(0.0061)
1,3,5-Trimethylbenzene	mg/kg	530	11.1	243	5.51	ND(0.0048)	0.003 J	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	0.0073 J	ND(0.0113)	ND(0.0097)	0.0049 J	0.0107 J	0.015
2-Phenylbutane (sec-Butylbenzene)	mg/kg	654	20.2	276	8.27	0.0026 J	0.0059	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Acetone	mg/kg	406000	204	50300	51.6	0.0225 J	ND(0.0225)	ND(0.0193)	0.0054 J	0.0274 J	0.0576
Chloroform (Trichloromethane)	mg/kg	7.14	0.85	4.22	0.85	ND(0.0048)	ND(0.0056)	0.0011 J	0.0015 J	ND(0.0083)	ND(0.0061)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	ND(0.0024)	0.0024 J	ND(0.0024)	0.0278	ND(0.0042)	ND(0.0031)
Cymene (p-Isopropyltoluene)	mg/kg	NC	NC	NC	NC	ND(0.0048)	0.0027 J	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Isopropyl benzene	mg/kg	5680	140	2540	65.1	0.00099 J	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Naphthalene	mg/kg	64.7	0.659	30.5	0.349	0.0026 J	0.0027 J	ND(0.0097)	ND(0.0132)	ND(0.0166)	ND(0.0123)
N-Butylbenzene	mg/kg	687	23.6	285	10.2	0.0017 J	0.0076	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
N-Propylbenzene	mg/kg	14300	320	4070	110	ND(0.0048)	0.0033 J	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(0.0048)	0.0998	0.0013 J	ND(0.0066)	ND(0.0083)	0.0075
Trichloroethene	mg/kg	69.8	0.0842	41	0.0842	ND(0.0048)	0.0044 J	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/kg - milligrams per kilogram
ft BGS - feet below ground surface
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual- 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE 4.7

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
SB-110 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-125*	*TMW-150*	*TMW-150*	*TMW-150*
Sample Name:				*GW-042712-JH-19*	*GW-042712-JH-13*	*GW-042712-JH-15*	*GW-050912-NL-06*
Sample Date:				*4/27/2012*	*4/27/2012*	*4/27/2012*	*5/9/2012*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*				*Duplicate*	
	Units	*Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*				
Volatile Organic Compounds							
1,2-Dichloroethene (total)	mg/L	NC	NC	0.00059 J	0.0114	0.0119	0.0105
Benzene	mg/L	0.005	0.005	ND(0.001)	0.00012 J	0.00012 J	0.00012 J
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.001)	0.0097	0.0102	0.0089
Tetrachloroethene	mg/L	0.005	0.005	0.00043 J	0.00049 J	0.00047 J	0.0013
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.001)	0.0017	0.0017	0.0016
Trichloroethene	mg/L	0.005	0.005	0.00032 J	0.0201[ab]	0.0205[ab]	0.0203[ab]
Trichlorofluoromethane (CFC-11)	mg/L	1.9	1.09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	0.00027 J	0.00027 J	0.00032 J

TABLE 4.7

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
SB-110 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*TMW-151*	*TMW-151*	*TMW-152*	*TMW-152*
Sample Name:				*GW-042712-JH-17*	*GW-051012-NL-10*	*GW-042612-JH-07*	*GW-051012-NL-11*
Sample Date:				*4/27/2012*	*5/10/2012*	*4/26/2012*	*5/10/2012*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*					
	Units	*Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*				
Volatile Organic Compounds							
1,2-Dichloroethene (total)	mg/L	NC	NC	0.0374	0.0333	0.00036 J	0.00055 J
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.0343	0.0305	ND(0.001)	0.00055 J
Tetrachloroethene	mg/L	0.005	0.005	0.0011	0.0013	0.0049	0.0048
trans-1,2-Dichloroethene	mg/L	0.1	0.1	0.0031	0.0028	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	0.0099[ab]	0.0089[ab]	0.0013	0.0011
Trichlorofluoromethane (CFC-11)	mg/L	1.9	1.09	ND(0.001)	ND(0.001)	0.0014	0.0018
Vinyl chloride	mg/L	0.002	0.002	0.00013 J	ND(0.001)	ND(0.001)	ND(0.001)

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
--: Not Analyzed
Boxed values exceed criteria
mg/L - milligrams per liter
Risk Based Standards for Kansas, RSK Manual- 5th Version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE 4.8

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
TMW-127 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*TMW-153*	*TMW-154*	*TMW-155*
Sample Name:						*TMW 153 18-20*	*TMW 154 16-18*	*TMW 155 18-20*
Sample Date:						*4/11/2012*	*4/11/2012*	*4/11/2012*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*18-20 ft BGS*	*16-18 ft BGS*	*18-20 ft BGS*
		Non-Residential		*Residential*				
	Units	*Soil Pathway*	*Soil to GW*	*Soil Pathway*	*Soil to GW*			
Volatile Organic Compounds		*a*	*b*	*c*	*d*			
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	ND(0.0051)	ND(0.006)	0.0183
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	ND(0.0101)	0.0239 J	ND(0.0102)
Acetone	mg/kg	406000	204	50300	51.6	ND(0.0202)	0.108 J	ND(0.0203)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	ND(0.0025)	ND(0.003)	0.0171
trans-1,2-Dichloroethene	mg/kg	333	1.22	202	1.22	ND(0.0025)	ND(0.003)	0.0012 J
Trichloroethene	mg/kg	69.8	0.0842	41	0.0842	ND(0.0051)	ND(0.006)	0.0442

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/kg - milligrams per kilogram
ft BGS - feet below ground surface
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual- 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE 4.9

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
TMW-127 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-156*	*MW-156*	*TMW-127*	*TMW-153*	*TMW-153*
Sample Name:				*GW-042612-JH-14*	*GW-050912-NL-03*	*GW-042712-JH-18*	*GW-042612-JH-16*	*GW-050912-NL-04*
Sample Date:				*4/26/2012*	*5/9/2012*	*4/27/2012*	*4/26/2012*	*5/9/2012*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*						
	Units	*Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*					
Volatile Organic Compounds								
1,1-Dichloroethane	mg/L	0.0461	0.025	0.00034 J	0.00037 J	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L	0.007	0.007	ND(0.001)	ND(0.001)	0.00042 J	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	NC	NC	0.113	0.0526	0.366	0.0275	0.0206
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	0.005	0.005	0.00032 J	0.0003 J	0.00012 J	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.0999[ab]	0.0379	0.354[ab]	0.0263	0.0197
Cymene (p-Isopropyltoluene)	mg/L	NC	NC	ND(0.001)	0.0005 J	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	0.262	0.133	ND(0.001)	0.0002 J	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	0.00011 J	0.00025 J	0.0005 J	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	0.0135	0.0147	0.012	0.0012	0.00097 J
Trichloroethene	mg/L	0.005	0.005	0.00062 J	0.00054 J	0.00029 J	0.0016	0.0013
Vinyl chloride	mg/L	0.002	0.002	0.264[ab]	0.385[ab]	0.0059[ab]	0.00023 J	0.00037 J

TABLE 4.9

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
TMW-127 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*TMW-154*	*TMW-154*	*TMW-155*	*TMW-155*
Sample Name:				*GW-042612-JH-03*	*GW-050912-NL-01*	*GW-042612-JH-11*	*GW-050912-NL-02*
Sample Date:				*4/26/2012*	*5/9/2012*	*4/26/2012*	*5/9/2012*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*					
	Units	*Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*				
Volatile Organic Compounds							
1,1-Dichloroethane	mg/L	0.0461	0.025	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L	0.007	0.007	ND(0.001)	ND(0.001)	0.0013	0.0011
1,2-Dichloroethene (total)	mg/L	NC	NC	0.0064	0.007	0.803	0.735
Acetone	mg/L	45.5	11.5	ND(0.01)	0.0096 J	ND(0.01)	0.0037 J
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	0.00012 J	0.00011 J
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.0057	0.0061	0.77[ab]	0.709[ab]
Cymene (p-Isopropyltoluene)	mg/L	NC	NC	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	0.262	0.133	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	0.00078 J	0.00089 J	0.0339	0.0354
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	0.3[ab]	0.283[ab]
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	0.0053[ab]	0.0059[ab]

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
--: Not Analyzed
Boxed values exceed criteria
mg/L - milligrams per liter
Risk Based Standards for Kansas, RSK Manual- 5th Version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE 4.10

SUMMARY OF WASTE CHARACTERIZATION ANALYTICAL DATA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:		*SB-48*	*SB-49*	*SB-305*
Sample Name:		*SB48 13-15*	*SB49 13-15*	*SB305 4-6*
Sample Date:		*4/11/2012*	*4/11/2012*	*4/11/2012*
Depth:		*(13-15) ft BGS*	*(13-15) ft BGS*	*(4-6) ft BGS*
	Units			
TCLP - Volatile Organic Compounds				
1,1-Dichloroethene	ug/L	ND(0.05)	ND(0.5)	ND(0.05)
1,2-Dichloroethane	ug/L	ND(0.05)	ND(0.5)	ND(0.05)
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	ND(1)	ND(10)	ND(1)
Benzene	ug/L	ND(0.05)	ND(0.5)	ND(0.05)
Carbon tetrachloride	ug/L	ND(0.05)	ND(0.5)	ND(0.05)
Chlorobenzene	ug/L	ND(0.05)	ND(0.5)	ND(0.05)
Chloroform (Trichloromethane)	ug/L	ND(0.2)	ND(2)	ND(0.2)
Tetrachloroethene	ug/L	ND(0.05)	ND(0.5)	ND(0.05)
Trichloroethene	ug/L	ND(0.05)	ND(0.5)	ND(0.05)
Vinyl chloride	ug/L	ND(0.1)	ND(1)	ND(0.1)
TCLP - Semi-Volatile Organic Compounds				
1,4-Dichlorobenzene	ug/L	ND(0.1)	ND(0.1)	ND(0.1)
2,4,5-Trichlorophenol	ug/L	ND(0.5)	ND(0.5)	ND(0.5)
2,4,6-Trichlorophenol	ug/L	ND(0.1)	ND(0.1)	ND(0.1)
2,4-Dinitrotoluene	ug/L	ND(0.1)	ND(0.1)	ND(0.1)
2-Methylphenol	ug/L	0.0592 J	ND(0.1)	ND(0.1)
3&4-Methylphenol	ug/L	ND(0.2)	ND(0.2)	ND(0.2)
Hexachlorobenzene	ug/L	ND(0.1)	ND(0.1)	ND(0.1)
Hexachlorobutadiene	ug/L	ND(0.1)	ND(0.1)	ND(0.1)
Hexachloroethane	ug/L	ND(0.1)	ND(0.1)	ND(0.1)
Nitrobenzene	ug/L	ND(0.1)	ND(0.1)	ND(0.1)
Pentachlorophenol	ug/L	ND(0.5)	ND(0.5)	ND(0.5)
Pyridine	ug/L	ND(0.1)	ND(0.1)	ND(0.1)
TCLP - Metals				
Arsenic	mg/L	ND(0.50)	ND(0.50)	ND(0.50)
Barium	mg/L	1.4 J	1.7 J	1.3 J
Cadmium	mg/L	0.0065 J	0.0054 J	0.0049 J
Chromium	mg/L	ND(0.10)	ND(0.10)	ND(0.10)
Lead	mg/L	ND(0.50)	ND(0.50)	ND(0.50)
Mercury	ug/L	ND(0.002)	ND(0.002)	ND(0.002)
Selenium	mg/L	ND(0.50)	ND(0.50)	ND(0.50)
Silver	mg/L	ND(0.10)	ND(0.10)	ND(0.10)
PCBs				
Aroclor-1016 (PCB-1016)	ug/kg	ND(0.0395)	ND(0.0428)	ND(0.0417)
Aroclor-1221 (PCB-1221)	ug/kg	ND(0.0789)	ND(0.0855)	ND(0.0835)
Aroclor-1232 (PCB-1232)	ug/kg	ND(0.0395)	ND(0.0428)	ND(0.0417)

TABLE 4.10

SUMMARY OF WASTE CHARACTERIZATION ANALYTICAL DATA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:		*SB-48*	*SB-49*	*SB-305*
Sample Name:		*SB48 13-15*	*SB49 13-15*	*SB305 4-6*
Sample Date:		*4/11/2012*	*4/11/2012*	*4/11/2012*
Depth:		*(13-15) ft BGS*	*(13-15) ft BGS*	*(4-6) ft BGS*
	Units			
PCBs				
Aroclor-1242 (PCB-1242)	ug/kg	ND(0.0395)	ND(0.0428)	ND(0.0417)
Aroclor-1248 (PCB-1248)	ug/kg	ND(0.0395)	ND(0.0428)	ND(0.0417)
Aroclor-1254 (PCB-1254)	ug/kg	ND(0.0395)	ND(0.0428)	ND(0.0417)
Aroclor-1260 (PCB-1260)	ug/kg	ND(0.0395)	ND(0.0428)	ND(0.0417)
TCLP - Pesticides				
(PCB 209) Decachlorobiphenyl	mg/L	0.00144	0.0012	0.00129
Chlordane	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Endrin	mg/L	ND(0.001)	ND(0.001)	ND(0.001)
gamma-BHC (lindane)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)
Heptachlor	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)
Heptachlor epoxide	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)
Methoxychlor	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloro-m-xylene	mg/L	0.00112	0.00106	0.00116
Toxaphene	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
TCPL - Herbicides				
2,4,5-TP (Silvex)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)
General Chemistry				
Flash point (closed cup)	Deg F	ND	ND	ND
Free liquid	none	ND	ND	ND
Percent moisture	%	18.3	24.3	22.2
pH (@ 25C)	s.u.	8.0	7.4	8.1
Reactive cyanide	mg/kg	ND(0.025)	ND(0.025)	ND(0.025)
Reactive sulfide	mg/kg	ND(100)	ND(100)	ND(100)

Notes:
TCLP - Analytical method used Toxicity Characteristic Leaching Procedure
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
mg/L - milligrams per liter
ug/L - micrograms per liter
ft BGS - feet below ground surface

TABLE 4.11

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-50*	*SB-51*	*TMW-157*
Sample Name:						*SB 50 18-20*	*SB 51 18-20*	*TMW 157 18-20*
Sample Date:						*4/11/2012*	*4/11/2012*	*4/10/2012*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*18-20 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*
		Non-Residential		*Residential*				
	Units	*Soil Pathway*	*Soil to GW*	*Soil Pathway*	*Soil to GW*			
Volatile Organic Compounds		*a*	*b*	*c*	*d*			
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	ND(0.0117)	0.0106 J	0.0105 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	34800	27.2	4450	6.69	ND(0.0117)	ND(0.01)	0.0033 J
Acetone	mg/kg	406000	204	50300	51.6	ND(0.0234)	0.0426 J	0.0319 J

ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/kg - milligrams per kilogram
ft BGS - feet below ground surface
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual- 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE 4.12

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

		KDHE Tier 2 Risk-Based Criteria			
Location Name:				*TMW-157*	*TMW-157*
Sample Name:				*GW-042612-JH-05*	*GW-050912-NL-05*
Sample Date:				*4/26/2012*	*5/9/2012*
Sample Type:					
	Units	*Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*		
Volatile Organic Compounds					
1,2-Dichloroethene (total)	mg/L	NC	NC	0.00014 J	0.00028 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	0.00054 J
Acetone	mg/L	45.5	11.5	ND(0.01)	0.0045 J
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.001)	0.00028 J

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
--: Not Analyzed
Boxed values exceed criteria
mg/L - milligrams per liter
Risk Based Standards for Kansas, RSK Manual- 5th Version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE 4.13

MICROBIAL POPULATION COUNTS AND NUTRIENT CHARACTERIZATION
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:		*TMW-140*	*TMW-142*	*TMW-141*	*TMW-130*	*TMW-139*	*MW-103A*
Sample Name:		*GW-042612-JH-02*	*GW-042612-JH-04*	*GW-042612-JH-06*	*GW-042612-JH-08*	*GW-042612-JH-10*	*GW-042612-JH-12*
Date Collected:	*Units*	*4/26/2012*	*4/26/2012*	*4/26/2012*	*4/26/2012*	*4/26/2012*	*4/26/2012*
pH	(S.U.)	6.68	6.77	6.76	6.87	6.77	6.84
Ammonia Nitrogen	(mg/L)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Orthophosphate Phosphorus	(mg/L)	1.97	1.28	1.13	1.93	1.686	1.615
Total Aerobic Microbial Population	(CFU/mL)	1.82E+03	1.90E+02	3.05E+02	3.75E+02	1.52E+03	7.16E+03
BTEX Specific Microbial Population	(CFU/mL)	1.85E+02	2.05E+02	1.65E+02	4.50E+01	8.00E+03	5.20E+03

Notes:
CFU = Colony Forming Units.
Values are averages of duplicates
S.U. - standard units
mg/L - milligrams per liter
BTEX - benzene, toluene, ethylbenzene, xylenes

pH - Adapted from EPA Method 9045
Ammonia Nitrogen - Adapted from EPA Method 350.2
Orthophosphate Phosphorus - Adapted from EPA Method 365.3
Microbial Counts - Method 9215B Adapted from Standard Methods for the Examination of Water and Wastewater 17th ed.

TABLE 4.14

GROUNDWATER ANALYTICAL DATA - SURFACTANTS
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:		*TMW-130*	*TMW-139*	*TMW-140*	*TMW-141*	*TMW-142*
Sample Name:		*GW-042612-JH-08*	*GW-042612-JH-10*	*GW-042612-JH-02*	*GW-042612-JH-06*	*GW-042612-JH-04*
Sample Date:		*4/26/2012*	*4/26/2012*	*4/26/2012*	*4/26/2012*	*4/26/2012*
	Units					
Parameter						
Surfactants	mg/L	0.36	1.0	0.57	0.80	0.38

Notes:
mg/L - milligrams per liter

TABLE 4.15

SUMMARY OF GROUNDWATER ELEVATIONS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

		September 2007		*December 2007*		*March 2008*	
Monitoring Well	*Top of Casing Elevation (ft AMSL)* [1]	*Depth to Water (ft BTOC)* [2]	*Groundwater Elevation (ft AMSL)*	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*
MW-1	746.43	24.13	722.30	25.98	720.45	27.01	719.42
MW-102A	748.82	26.45	722.37	29.86	718.96	27.61	721.21
MW-102B	749.15	26.60	722.55	30.24	718.91	28.02	721.13
MW-102C	749.20	26.80	722.40	30.24	718.96	28.02	721.18
MW-103A	747.71	25.21	722.50	28.65	719.06	26.78	720.93
MW-103B	746.30	23.78	722.52	27.15	719.15	25.33	720.97
MW-103C	745.90	23.38	722.52	26.75	719.15	24.95	720.95
MW-104	746.51	24.03	722.48	27.45	719.06	25.56	720.95
MW-105	746.70	24.41	722.29	27.66	719.04	25.80	720.90
MW-108	747.17	24.91	722.26	27.74	719.43	26.63	720.54
MW-109	746.11	23.85	722.26	25.88	720.23	26.36	719.75
MW-110	745.79	23.43	722.36	25.83	719.96	25.62	720.17
MW-110A	743.89	22.25	721.64	23.36	720.53	25.07	718.82
MW-111	745.96	23.86	722.10	25.65	720.31	26.31	719.65
MW-115A	748.07	25.56	722.51	28.82	719.25	27.01	721.06
MW-117A	743.72	21.66	722.06	23.68	720.04	24.56	719.16
MW-117B	743.75	21.73	722.02	23.73	720.02	24.47	719.28
MW-118A	747.02	25.86	721.16	26.81	720.21	28.28	718.74
MW-118B	746.86	25.70	721.16	26.65	720.21	28.11	718.75
MW-124A	747.22	25.13	722.09	28.56	718.66	26.42	720.80
MW-124B	747.15	25.06	722.09	28.48	718.67	26.48	720.67
MW-125	745.34	22.54	722.80[3]	26.34	719.00	24.81	720.53
TMW-123	745.16	NI[4]	- -	NI	- -	NI	- -
TMW-127	746.02	NI	- -	NI	- -	NI	- -

TABLE 4.15

SUMMARY OF GROUNDWATER ELEVATIONS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

		September 2007		*December 2007*		*March 2008*	
Monitoring Well	*Top of Casing Elevation (ft AMSL)* [1]	*Depth to Water (ft BTOC)* [2]	*Groundwater Elevation (ft AMSL)*	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*
TMW-139	745.63	NI	- -	NI	- -	NI	- -
TMW-143	745.28	NI	- -	NI	- -	NI	- -
TMW-144	745.08	NI	- -	NI	- -	NI	- -
TMW-145	745.36	NI	- -	NI	- -	NI	- -
TMW-146	744.93	NI	- -	NI	- -	NI	- -
TMW-147	744.11	NI	- -	NI	- -	NI	- -
TMW-148	745.85	NI	- -	NI	- -	NI	- -
TMW-149	745.96	NI	- -	NI	- -	NI	- -
TMW-150	746.26	NI	- -	NI	- -	NI	- -
TMW-151	744.79	NI	- -	NI	- -	NI	- -
TMW-152	744.02	NI	- -	NI	- -	NI	- -
TMW 153	745.82	NI	- -	NI	- -	NI	- -
TMW 154	745.41	NI	- -	NI	- -	NI	- -
TMW 155	746.27	NI	- -	NI	- -	NI	- -
MW 156	746.88	NI	- -	NI	- -	NI	- -
TMW-157	747.37	NI	- -	NI	- -	NI	- -

TABLE 4.15

SUMMARY OF GROUNDWATER ELEVATIONS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

		June 2008		*December 2011*		*May 2012*	
Monitoring Well	*Top of Casing Elevation (ft AMSL)* [1]	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*
MW-1	746.43	18.80	727.63	19.43	727.00	22.46	723.97
MW-102A	748.82	18.11	730.71	23.05	725.77	24.63	724.19
MW-102B	749.15	18.43	730.72	NM[5]	- -	24.92	724.23
MW-102C	749.20	18.43	730.77	23.90	725.30	24.92	724.28
MW-103A	747.71	17.24	730.47	21.82	725.89	NM	- -
MW-103B	746.30	15.81	730.49	20.81	725.49	22.16	724.14
MW-103C	745.90	15.41	730.49	20.40	725.50	21.74	724.16
MW-104	746.51	15.98	730.53	19.69	726.82	22.42	724.09
MW-105	746.70	16.18	730.52	20.86	725.84	22.66	724.04
MW-108	747.17	17.11	730.06	21.11	726.06	23.25	723.92
MW-109	746.11	17.73	728.38	19.37	726.74	22.17	723.94
MW-110	745.79	16.64	729.15	19.30	726.49	21.77	724.02
MW-110A	743.89	17.86	726.03	16.78	727.11	NM	- -
MW-111	745.96	17.98	727.98	19.34	726.62	22.04	723.92
MW-115A	748.07	17.39	730.68	22.63	725.44	24.00	724.07
MW-117A	743.72	16.18	727.54	17.04	726.68	20.08	723.64
MW-117B	743.75	16.16	727.59	17.42	726.33	20.09	723.66
MW-118A	747.02	20.21	726.81	20.41	726.61	23.50	723.52
MW-118B	746.86	20.61	726.25	20.60	726.26	23.43	723.43
MW-124A	747.22	16.81	730.41	21.85	725.37	23.50	723.72
MW-124B	747.15	16.75	730.40	22.22	724.93	23.43	723.72
MW-125	745.34	15.39	729.95	19.58	725.76	21.51	723.83
TMW-123	745.16	NI	- -	19.45	725.71	23.11	722.05
TMW-127	746.02	NI	- -	19.85	726.17	22.47	723.55

TABLE 4.15

SUMMARY OF GROUNDWATER ELEVATIONS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

		June 2008		*December 2011*		*May 2012*	
Monitoring Well	*Top of Casing Elevation (ft AMSL)* [1]	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*	*Depth to Water (ft BTOC)*	*Groundwater Elevation (ft AMSL)*
TMW-139	745.63	NI	- -	19.33	726.30	22.25	723.38
TMW-143	745.28	NI	- -	18.86	726.42	21.91	723.37
TMW-144	745.08	NI	- -	18.79	726.29	21.67	723.41
TMW-145	745.36	NI	- -	19.18	726.18	21.95	723.41
TMW-146	744.93	NI	- -	18.62	726.31	21.55	723.38
TMW-147	744.11	NI	- -	NI	- -	20.27	723.84
TMW-148	745.85	NI	- -	NI	- -	22.02	723.83
TMW-149	745.96	NI	- -	NI	- -	22.16	723.80
TMW-150	746.26	NI	- -	NI	- -	22.25	724.01
TMW-151	744.79	NI	- -	NI	- -	20.82	723.97
TMW-152	744.02	NI	- -	NI	- -	20.03	723.99
TMW 153	745.82	NI	- -	NI	- -	22.17	723.65
TMW 154	745.41	NI	- -	NI	- -	21.66	723.75
TMW 155	746.27	NI	- -	NI	- -	22.50	723.77
MW 156	746.88	NI	- -	NI	- -	23.22	723.66
TMW-157	747.37	NI	- -	NI	- -	23.42	723.95

[1] ft AMSL - feet above mean sea level
[2] ft BTOC - feet below top of casing
[3] MW-125 - Measured November 1, 2007
[4] NI - Well not installed
[5] NM- Not measured

TABLE 4.16

SUMMARY OF VERTICAL HYDRAULIC GRADIENTS
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Well Number	*January 2006 Groundwater Elevation (ft AMSL)* [1]	*June 2006 Groundwater Elevation (ft AMSL)*	*September 2007 Groundwater Elevation (ft AMSL)*	*December 2007 Groundwater Elevation (ft AMSL)*	*March 2008 Groundwater Elevation (ft AMSL)*	*June 2008 Groundwater Elevation (ft AMSL)*	*December 2011 Groundwater Elevation (ft AMSL)*	*May 2012 Groundwater Elevation (ft AMSL)*
MW-102A	Dry	719.91	722.37	718.96	721.21	730.71	725.77	724.19
MW-102B	NM[3]	719.94	722.55	718.91	721.13	730.72	NM	724.23
MW-102A	Dry	719.91	722.37	718.96	721.21	730.71	725.77	724.19
MW-102C	717.02	719.99	722.40	718.96	721.18	730.77	725.30	724.28
MW-103A	715.89	719.74	722.50	719.06	720.93	730.47	725.89	NM
MW-103B	717.08	719.80	722.52	719.15	720.97	730.49	725.49	724.14
MW-103A	715.89	719.74	722.50	719.06	720.93	730.47	725.89	NM
MW-103C	717.01	719.81	722.52	719.15	720.95	730.49	725.50	724.16
MW-117A	716.83	718.82	722.06	720.04	719.16	727.54	726.68	723.64
MW-117B	716.85	718.83	722.02	720.02	719.28	727.59	726.33	723.66
MW-118A	716.68	717.91	721.16	720.21	718.74	726.81	726.61	723.52
MW-118B	716.68	717.92	721.16	720.21	718.75	726.25	726.26	723.43
TMW-127	NI[4]	NI	NI	NI	NI	NI	726.17	723.55
MW-156	NI	NI	NI	NI	NI	NI	NI	723.66
MW-124A	NM	NM	722.09	718.66	720.80	730.41	725.37	723.72
MW-124B	NM	NM	722.09	718.67	720.67	730.40	724.93	723.72

TABLE 4.16

SUMMARY OF VERTICAL HYDRAULIC GRADIENTS
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Well Number	*Midpoint Screen Elevation (ft AMSL)*	*January 2006 Vertical Gradient* [2]	*June 2006 Vertical Gradient*	*September 2007 Vertical Gradient*	*December 2007 Vertical Gradient*	*March 2008 Vertical Gradient*	*June 2008 Vertical Gradient*	*December 2011 Vertical Gradient*	*May 2012 Vertical Gradient*
MW-102A MW-102B	723.3 689.1	- -	0.0009	0.0053	-0.0015	-0.0023	0.0003	- -	0.0012
MW-102A MW-102C	723.3 648.7	- -	0.0011	0.0004	0.0000	-0.0004	0.0008	-0.0063	0.0012
MW-103A MW-103B	722.6 688.8	0.0352	0.0018	0.0006	0.0027	0.0012	0.0006	-0.0118	- -
MW-103A MW-103C	722.6 648.0	0.0150	0.0009	0.0003	0.0012	0.0003	0.0003	-0.0052	- -
MW-117A MW-117B	719.0 690.0	0.0007	0.0003	-0.0014	-0.0007	0.0041	0.0017	-0.0121	0.0007
MW-118A MW-118B	719.0 690.5	0.0000	0.0004	0.0000	0.0000	0.0004	-0.0196	-0.0123	-0.0032
TMW-127 MW-156	713.5 689.7	- -	- -	- -	- -	- -	- -	- -	0.0046
MW-124A MW-124B	714.8 689.6	- -	- -	0.0000	0.0004	-0.0052	-0.0004	-0.0175	0.0000

[1] ft AMSL - feet above mean sea level
[2] "+" indicates upward gradient
" - " indicates downward gradient
[3] NM - Not measured
[4] NI - Not installed

TABLE 4.17

SUMMARY OF GROUNDWATER ANALYTICAL DATA
DECEMBER 2011
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-1*	*MW-1A*	*MW-1B*	*MW-1C*	*MW-102A*	*MW-102C*	*MW-103A*	*MW-103A*	*MW-103B*
Sample Name:				*WG-121311-KH-016*	*WG-121311-KH-021*	*WG-121411-KH-031*	*WG-121511-KH-035*	*WG-121211-DF-001*	*WG-121411-KH-026*	*WG-121311-DF-013*	*WG-121311-DF-014*	*WG-121411-KH-029*
Sample Date:				*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/15/2011*	*12/12/2011*	*12/14/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria 2010*									*Duplicate*	
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*									
		a	*b*									
Volatile Organic Compounds												
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	1.3 J	1.1 J	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	33[ab]	34[ab]	ND(0.01)
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	70[ab]	70[ab]	ND(0.01)
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)
Chlorobenzene	mg/L	0.1	0.1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.001)	0.00018 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	0.0044
Cyclohexane	mg/L	NC	NC	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	2.4[ab]	2.6[ab]	ND(0.001)
Methyl cyclohexane	mg/L	NC	NC	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)
Tetrachloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	57[ab]	61[ab]	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)
Trichlorofluoromethane (CFC-11)	mg/L	1.9	1.09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)
Xylenes (total)	mg/L	10	10	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	26[ab]	28[ab]	ND(0.002)
Semi-Volatile Organic Compounds												
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	0.35[b]	0.33[b]	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	0.0074 J	0.0087 J	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	0.55	0.45	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	0.72	0.58	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	0.26[ab]	0.28[ab]	-
Total Petroleum Hydrocarbons												
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	7.9[ab]	9.8[ab]	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	-	-	-	-	-	-	180[ab]	180[ab]	-

TABLE 4.17

SUMMARY OF GROUNDWATER ANALYTICAL DATA
DECEMBER 2011
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-103C*	*MW-104*	*MW-105*	*MW-108*	*MW-109*	*MW-110*	*MW-110A*	*MW-111*
Sample Name:				*WG-121411-KH-030*	*WG-121211-DF-003*	*WG-121211-DF-005*	*WG-121211-DF-007*	*WG-121311-KH-012*	*WG-121211-KH-008*	*WG-121311-KH-019*	*WG-121211-KH-004*
Sample Date:				*12/14/2011*	*12/12/2011*	*12/12/2011*	*12/12/2011*	*12/13/2011*	*12/12/2011*	*12/13/2011*	*12/12/2011*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria 2010*									
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*								
Volatile Organic Compounds											
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	mg/L	0.1	0.1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.001)	ND(0.001)	0.00043 J	ND(0.001)	0.0057	ND(0.001)	0.0016	0.023
Cyclohexane	mg/L	NC	NC	ND(0.001)	0.0003 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl cyclohexane	mg/L	NC	NC	ND(0.001)	0.00068 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	0.00034 J	ND(0.001)	0.0003 J	ND(0.001)	0.0062[ab]	ND(0.001)
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00073 J	ND(0.001)	ND(0.001)	0.0019
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	0.0009 J	ND(0.001)	ND(0.001)	ND(0.001)	0.00058 J	ND(0.001)
Trichlorofluoromethane (CFC-11)	mg/L	1.9	1.09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0013
Xylenes (total)	mg/L	10	10	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
Semi-Volatile Organic Compounds											
2,4-Dimethylphenol	mg/L	1.86	0.292	-	ND(0.0022)	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	ND(0.00022)	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	ND(0.0011)	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	ND(0.0022)	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	ND(0.00022)	-	-	-	-	-	-
Total Petroleum Hydrocarbons											
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	ND(0.53)	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	-	ND(0.1)	-	-	-	-	-	-

TABLE 4.17

SUMMARY OF GROUNDWATER ANALYTICAL DATA
DECEMBER 2011
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-115A*	*MW-117A*	*MW-117B*	*MW-118A*	*MW-118B*	*MW-124A*	*MW-124B*	*MW-125*
Sample Name:				*WG-121211-KH-002*	*WG-121311-KH-015*	*WG-121511-KH-033*	*WG-121311-KH-017*	*WG-121511-KH-034*	*WG-121311-DF-011*	*WG-121411-KH-024*	*WG-121211-DF-009*
Sample Date:				*12/12/2011*	*12/13/2011*	*12/15/2011*	*12/13/2011*	*12/15/2011*	*12/13/2011*	*12/14/2011*	*12/12/2011*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria 2010*									
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*								
Volatile Organic Compounds											
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	mg/L	0.1	0.1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00016 J	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.001)	ND(0.001)	0.0013	0.004	0.025	ND(0.001)	ND(0.001)	0.00031 J
Cyclohexane	mg/L	NC	NC	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl cyclohexane	mg/L	NC	NC	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00089 J	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.00024 J	ND(0.001)	ND(0.001)	ND(0.001)	0.00021 J
Trichlorofluoromethane (CFC-11)	mg/L	1.9	1.09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0038[ab]	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	10	10	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
Semi-Volatile Organic Compounds											
2,4-Dimethylphenol	mg/L	1.86	0.292	ND(0.0019)	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	ND(0.00019)	-	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	ND(0.00095)	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	ND(0.0019)	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	ND(0.00019)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons											
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	ND(0.48)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	ND(0.1)	-	-	-	-	-	-	-

TABLE 4.17

SUMMARY OF GROUNDWATER ANALYTICAL DATA
DECEMBER 2011
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-125*	*TMW-123*	*TMW-127*	*TMW-139*	*TMW-143*	*TMW-144*	*TMW-145*	*TMW-146*
Sample Name:				*WG-121211-DF-010*	*WG-121211-KH-006*	*WG-121311-DF-018*	*WG-121411-DF-027*	*WG-121411-DF-028*	*WG-121411-DF-025*	*WG-121311-DF-020*	*WG-121411-DF-023*
Sample Date:				*12/12/2011*	*12/12/2011*	*12/13/2011*	*12/14/2011*	*12/14/2011*	*12/14/2011*	*12/13/2011*	*12/14/2011*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria 2010*		*Duplicate*							
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*								
Volatile Organic Compounds											
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.067)	0.11	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	ND(0.01)	ND(0.067)	ND(0.1)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.067)	ND(0.1)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.0067)	0.045[ab]	ND(0.001)	ND(0.001)	ND(0.001)	0.00015 J
Chlorobenzene	mg/L	0.1	0.1	ND(0.001)	ND(0.001)	ND(0.0067)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.0003 J	0.00067 J	0.14[ab]	ND(0.01)	ND(0.001)	0.0071	ND(0.001)	ND(0.001)
Cyclohexane	mg/L	NC	NC	ND(0.001)	ND(0.001)	ND(0.0067)	0.0015 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	0.0032 J	0.0081 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl cyclohexane	mg/L	NC	NC	ND(0.001)	ND(0.001)	ND(0.0067)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.0067)	ND(0.01)	0.0011	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	0.039	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.001)	ND(0.001)	0.0029 J	ND(0.01)	ND(0.001)	0.00031 J	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	0.0002 J	0.0003 J	ND(0.0067)	ND(0.01)	ND(0.001)	0.0005 J	ND(0.001)	ND(0.001)
Trichlorofluoromethane (CFC-11)	mg/L	1.9	1.09	ND(0.001)	0.0065	ND(0.0067)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	0.0031 J[ab]	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	10	10	ND(0.002)	ND(0.002)	0.033	ND(0.02)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
Semi-Volatile Organic Compounds											
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Total Petroleum Hydrocarbons											
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	ND(0.51)	ND(0.53)	ND(0.51)	0.33
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	-	-	-	-	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.12)

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/L - milligrams per liter
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual - 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

APPENDIX A

BACKGROUND INFORMATION

TABLE A.1

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
S-8 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*S-8*	*S-8*	*SB-112*	*SB-113*	*SB-147N*	*SB-147S*	*SB-147W*	*TMW-147E*
Sample Name:						*S-8-1046*	*S-8-1047*	*S-122104-DS-119*	*S-122104-DS-120*	*TMW 147N 18-20*	*TMW 147S 18-20*	*TMW 147W 18-20*	*TMW 147E 18-20*
Sample Date:						*8/19/1987*	*8/19/1987*	*12/21/2004*	*12/21/2004*	*4/9/2012*	*4/9/2012*	*4/9/2012*	*4/9/2012*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(10) ft BGS*	*(15) ft BGS*	*(10-12) ft BGS*	*(10-12) ft BGS*	*(18-20) ft BGS*	*(18-20) ft BGS*	*(18-20) ft BGS*	*(18-20) ft BGS*
Sample Type:		*Non-Residential*		*Residential*									
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*								
Volatile Organic Compounds													
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	-	-	-	-	0.121	ND(0.0048)	ND(0.0053)	0.201
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	-	-	ND(0.025)	ND(0.023)	0.0055 J	ND(0.0096)	ND(0.0106)	0.0111 J
Acetone	mg/kg	406000	204	50300	51.6	-	-	0.0039 J	0.0033 J	0.011 J	ND(0.0192)	ND(0.0211)	0.0381
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	-	-	ND(0.0061)	ND(0.0057)	0.101	ND(0.0024)	ND(0.0026)	0.163
Ethylbenzene	mg/kg	145	65.6	82	65.6	ND(0.5)	ND(0.5)	0.0011 J	ND(0.0057)	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)
Methylene chloride	mg/kg	267	0.0429	149	0.0429	-	-	0.011	0.0083	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	2.5[bd]	0.76[bd]	0.0039 J	0.0026 J	ND(0.0056)	0.0035 J	0.0043 J	ND(0.0056)
Toluene	mg/kg	29800	51.2	4320	51.2	ND(0.5)	ND(0.5)	0.0011 J	0.00061 J	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)
trans-1,2-Dichloroethene	mg/kg	333	1.22	202	1.22	-	-	ND(0.0061)	ND(0.0057)	0.0195	ND(0.0024)	ND(0.0026)	0.0372
Trichloroethene	mg/kg	69.8	0.0842	41	0.0842	-	-	0.0005 J	ND(0.0057)	0.0015 J	ND(0.0048)	ND(0.0053)	0.0064
Xylenes (total)	mg/kg	1410	809	936	809	ND(0.5)	ND(0.5)	0.00094 J	ND(0.011)	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)
Metals													
Aluminum	mg/kg	NC	NC	NC	NC	-	-	3760	1520	-	-	-	-
Arsenic	mg/kg	38	NC	11.3	NC	-	-	5.6	2.3	-	-	-	-
Barium	mg/kg	277000	NC	15300	NC	-	-	136	50.1	-	-	-	-
Beryllium	mg/kg	3650	NC	155	NC	-	-	0.093 J	ND(0.52)	-	-	-	-
Calcium	mg/kg	NC	NC	NC	NC	-	-	14500 J	4250 J	-	-	-	-
Chromium	mg/kg	111	NC	33.6	NC	-	-	7.5 J	3.4 J	-	-	-	-
Cobalt	mg/kg	579	NC	23.4	NC	-	-	5.2 J	2.6 J	-	-	-	-
Copper	mg/kg	81700	NC	3130	NC	-	-	5.8	1.6 J	-	-	-	-
Iron	mg/kg	NC	NC	NC	NC	-	-	10000	4400	-	-	-	-
Lead	mg/kg	1000	NC	400	NC	-	-	6.7	2.9	-	-	-	-
Magnesium	mg/kg	NC	NC	NC	NC	-	-	5550	1850	-	-	-	-
Manganese	mg/kg	66200	NC	9300	NC	-	-	229	81.6	-	-	-	-
Nickel	mg/kg	32400	NC	1540	NC	-	-	12.8 J	6.7 J	-	-	-	-
Potassium	mg/kg	NC	NC	NC	NC	-	-	902 J	329 J	-	-	-	-
Vanadium	mg/kg	NC	NC	NC	NC	-	-	13.1	6.1	-	-	-	-
Zinc	mg/kg	613000	NC	23500	NC	-	-	31.7	13.3	-	-	-	-
General Chemistry													
Percent moisture	%	NC	NC	NC	NC	-	-	-	-	19.9	4.2	3.9	25.1
Total solids	%	NC	NC	NC	NC	-	-	81.5	95.6	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/kg - milligrams per kilogram
ft BGS - feet below ground surface
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual- 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE A.2

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
S-8 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*TMW-147E*	*TMW-147E*	*TMW-148*	*TMW-148*	*TMW-149*	*TMW-149*	*TMW-149*
Sample Name:				*GW-042712-JH-20*	*GW-051012-NL-09*	*GW-042612-JH-09*	*GW-051012-NL-08*	*GW-042612-JH-01*	*GW-051012-NL-07*	*GW-051012-NL-FD*
Sample Date:				*4/27/2012*	*5/10/2012*	*4/26/2012*	*5/10/2012*	*4/26/2012*	*5/10/2012*	*5/10/2012*
Sample Type:										*Duplicate*
	Units	*KDHE Tier 2 Risk-Based Criteria Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*							
Volatlie Organic Compounds										
1,1-Dichloroethene	mg/L	0.007	0.007	0.00041 J	0.00013 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	0.0174	0.00844	ND(0.001)	ND(0.001)	ND(0.001)	0.00026 J	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	NC	NC	0.177	0.209	0.0028	0.0007 J	0.001	0.00094 J	0.001
2-Butanone (Methyl ethyl ketone) (M	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	0.0027 J	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	0.0067 J	ND(0.01)	ND(0.01)	ND(0.01)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.168[ab]	0.197[ab]	0.0027	0.0007 J	0.001	0.00094 J	0.001
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	ND(0.001)	0.00016 J	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	0.005	0.005	0.0527[ab]	0.034[ab]	0.00089 J	0.0008 J	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	0.00016 J	0.00015 J	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	0.009	0.0121	0.00013 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	0.0347[ab]	0.0275[ab]	0.0035	0.0025	0.00029 J	0.00024 J	0.00014 J
Vinyl chloride	mg/L	0.002	0.002	0.00046 J	0.00084 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00011 J

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
Boxed values exceed criteria.
mg/L - milligrams per liter
cfu/mL - colony forming units per milliliters
Risk Based Standards for Kansas, RSK Manual- 5th Version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE A.3

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
SB-110 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-108*	*SB-109*	*SB-110*	*SB-118*	*SB-118A*	*SB-118B*	*SB-119*	*SB-119A*
Sample Name:						*S-122004-DS-115*	*S-122004-DS-116*	*S-122004-DS-117*	*S-012559-122005-SC-006*	*SB 118A 6-8*	*SB 118B 8-10*	*S-012559-121505-SC-001*	*SB 119A 18-20*
Sample Date:						*12/20/2004*	*12/20/2004*	*12/20/2004*	*12/20/2005*	*4/10/2012*	*4/11/2012*	*12/15/2005*	*4/16/2012*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(10-12) ft BGS*	*(10-12) ft BGS*	*(10-12) ft BGS*	*(9-10) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(10-12) ft BGS*	*(18-20) ft BGS*
Sample Type:		*Non-Residential*		*Residential*									
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*								
Volatile Organic Compounds													
1,2,4-Trimethylbenzene	mg/kg	126	2.21	54	1.07	-	-	-	-	ND(0.0048)	0.0224	-	ND(0.0048)
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	-	-	-	-	ND(0.0048)	0.0024 J	-	ND(0.0048)
1,3,5-Trimethylbenzene	mg/kg	530	11.1	243	5.51	-	-	-	-	ND(0.0048)	0.003 J	-	ND(0.0048)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	ND(0.018)	ND(0.026)	ND(0.025)	-	0.0073 J	ND(0.0113)	-	ND(0.0097)
2-Phenylbutane (sec-Butylbenzene)	mg/kg	654	20.2	276	8.27	-	-	-	-	0.0026 J	0.0059	-	ND(0.0048)
Acetone	mg/kg	406000	204	50300	51.6	ND(0.018)	0.0092 J	ND(0.025)	-	0.0225 J	ND(0.0225)	-	ND(0.0193)
Chloroform (Trichloromethane)	mg/kg	7.14	0.85	4.22	0.85	ND(0.0046)	ND(0.0065)	ND(0.0063)	-	ND(0.0048)	ND(0.0056)	-	0.0011 J
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	ND(0.0046)	ND(0.0065)	ND(0.0063)	-	ND(0.0024)	0.0024 J	-	ND(0.0024)
Cymene (p-Isopropyltoluene)	mg/kg	NC	NC	NC	NC	-	-	-	-	ND(0.0048)	0.0027 J	-	ND(0.0048)
Isopropyl benzene	mg/kg	5680	140	2540	65.1	-	-	-	-	0.00099 J	ND(0.0056)	-	ND(0.0048)
Naphthalene	mg/kg	64.7	0.659	30.5	0.349	-	-	-	-	0.0026 J	0.0027 J	-	ND(0.0097)
N-Butylbenzene	mg/kg	687	23.6	285	10.2	-	-	-	-	0.0017 J	0.0076	-	ND(0.0048)
N-Propylbenzene	mg/kg	14300	320	4070	110	-	-	-	-	ND(0.0048)	0.0033 J	-	ND(0.0048)
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(0.0046)	ND(0.0065)	0.19[vu]	ND(0.29)	ND(0.0048)	0.0998	0.45[vu]	0.0013 J
Toluene	mg/kg	29800	51.2	4320	51.2	0.0025 J	ND(0.0065)	0.00091 J	-	ND(0.0048)	ND(0.0056)	-	ND(0.0048)
Trichloroethene	mg/kg	69.8	0.0842	41	0.0842	ND(0.0046)	ND(0.0065)	0.001 J	-	ND(0.0048)	0.0044 J	-	ND(0.0048)
Xylenes (total)	mg/kg	1410	809	936	809	0.0081 J	ND(0.013)	ND(0.013)	-	ND(0.0048)	ND(0.0056)	-	ND(0.0048)
Semivolatile Organic Compounds													
2,4-Dimethylphenol	mg/kg	17600	190	1220	29.9	ND(0.39)	ND(0.45)	0.048 J	-	-	-	-	-
Naphthalene	mg/kg	64.7	0.659	30.5	0.349	ND(0.39)	ND(0.45)	ND(0.45)	-	-	-	-	-
Metals													
Aluminum	mg/kg	NC	NC	NC	NC	5660	5690	7340	-	-	-	-	-
Arsenic	mg/kg	38	NC	11.3	NC	5.3	3.9	4.6	-	-	-	-	-
Barium	mg/kg	277000	NC	15300	NC	183	205	208	-	-	-	-	-
Beryllium	mg/kg	3650	NC	155	NC	0.17 J	0.14 J	0.21 J	-	-	-	-	-
Calcium	mg/kg	NC	NC	NC	NC	13000	21200	20200	-	-	-	-	-
Chromium	mg/kg	111	NC	33.6	NC	10.3	10.7	12.3	-	-	-	-	-
Cobalt	mg/kg	579	NC	23.4	NC	4.8 J	6.7 J	6.8 J	-	-	-	-	-
Copper	mg/kg	81700	NC	3130	NC	11.8	12.3	18.2	-	-	-	-	-
Iron	mg/kg	NC	NC	NC	NC	9460 J	12900 J	12200 J	-	-	-	-	-
Lead	mg/kg	1000	NC	400	NC	9.0	9.3	10.5	-	-	-	-	-
Magnesium	mg/kg	NC	NC	NC	NC	3810	8270	7500	-	-	-	-	-
Manganese	mg/kg	66200	NC	9300	NC	247	274	277	-	-	-	-	-
Mercury	mg/kg	20	NC	2	NC	0.013 J	0.0099 J	0.016 J	-	-	-	-	-
Nickel	mg/kg	32400	NC	1540	NC	12.4	16.9	17.0	-	-	-	-	-
Potassium	mg/kg	NC	NC	NC	NC	1160	1530	2110	-	-	-	-	-
Selenium	mg/kg	10200	NC	391	NC	0.43 J	ND(0.68)	ND(0.69)	-	-	-	-	-
Sodium	mg/kg	NC	NC	NC	NC	267 J	121 J	176 J	-	-	-	-	-
Vanadium	mg/kg	NC	NC	NC	NC	16.6	18.8	19.6	-	-	-	-	-
Zinc	mg/kg	613000	NC	23500	NC	38.5	47.7	51.5	-	-	-	-	-
General Chemistry													
Percent moisture	%	NC	NC	NC	NC	-	-	-	-	15.2	19.7	-	14.4
Total solids	%	NC	NC	NC	NC	85.4	73.4	72.6	80.5	-	-	78.5	-

TABLE A.3

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
SB-110 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-119B*	*SB-119C*	*SB-120*	*SB-120A*	*SB-121*	*SB-122*	*SB-122*	*SB-137*
Sample Name:						*SB 119B 18-20*	*SB 119C 18-20*	*S-012559-121505-SC-002*	*SB 120A 18-20*	*S-012559-122005-SC-003*	*S-012559-122005-SC-004*	*S-012559-122005-SC-005*	*SB137 14-15*
Sample Date:						*4/17/2012*	*4/10/2012*	*12/15/2005*	*4/9/2012*	*12/20/2005*	*12/20/2005*	*12/20/2003*	*11/6/2006*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(18-20) ft BGS*	*(18-20) ft BGS*	*(10-12) ft BGS*	*(18-20) ft BGS*	*(9-10) ft BGS*	*(9-10) ft BGS*	*(9-10) ft BGS*	*(14-15) ft BGS*
Sample Type:		*Non-Residential*		*Residential*								*Duplicate*	
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*								
Volatile Organic Compounds													
1,2,4-Trimethylbenzene	mg/kg	126	2.21	54	1.07	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	0.0278	ND(0.0083)	-	ND(0.0061)	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	530	11.1	243	5.51	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	0.0049 J	0.0107 J	-	0.015	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	mg/kg	654	20.2	276	8.27	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
Acetone	mg/kg	406000	204	50300	51.6	0.0054 J	0.0274 J	-	0.0576	-	-	-	-
Chloroform (Trichloromethane)	mg/kg	7.14	0.85	4.22	0.85	0.0015 J	ND(0.0083)	-	ND(0.0061)	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	0.0278	ND(0.0042)	-	ND(0.0031)	-	-	-	-
Cymene (p-Isopropyltoluene)	mg/kg	NC	NC	NC	NC	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
Isopropyl benzene	mg/kg	5680	140	2540	65.1	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
Naphthalene	mg/kg	64.7	0.659	30.5	0.349	ND(0.0132)	ND(0.0166)	-	ND(0.0123)	-	-	-	-
N-Butylbenzene	mg/kg	687	23.6	285	10.2	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
N-Propylbenzene	mg/kg	14300	320	4070	110	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(0.0066)	ND(0.0083)	0.034	0.0075	0.15[ca]	ND(0.27)	ND(0.27)	0.024
Toluene	mg/kg	29800	51.2	4320	51.2	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
Trichloroethene	mg/kg	69.8	0.0842	41	0.0842	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
Xylenes (total)	mg/kg	1410	809	936	809	ND(0.0066)	ND(0.0083)	-	ND(0.0061)	-	-	-	-
Semivolatile Organic Compounds													
2,4-Dimethylphenol	mg/kg	17600	190	1220	29.9	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	64.7	0.659	30.5	0.349	-	-	-	-	-	-	-	-
Metals													
Aluminum	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Arsenic	mg/kg	38	NC	11.3	NC	-	-	-	-	-	-	-	-
Barium	mg/kg	277000	NC	15300	NC	-	-	-	-	-	-	-	-
Beryllium	mg/kg	3650	NC	155	NC	-	-	-	-	-	-	-	-
Calcium	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Chromium	mg/kg	111	NC	33.6	NC	-	-	-	-	-	-	-	-
Cobalt	mg/kg	579	NC	23.4	NC	-	-	-	-	-	-	-	-
Copper	mg/kg	81700	NC	3130	NC	-	-	-	-	-	-	-	-
Iron	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Lead	mg/kg	1000	NC	400	NC	-	-	-	-	-	-	-	-
Magnesium	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Manganese	mg/kg	66200	NC	9300	NC	-	-	-	-	-	-	-	-
Mercury	mg/kg	20	NC	2	NC	-	-	-	-	-	-	-	-
Nickel	mg/kg	32400	NC	1540	NC	-	-	-	-	-	-	-	-
Potassium	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Selenium	mg/kg	10200	NC	391	NC	-	-	-	-	-	-	-	-
Sodium	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Vanadium	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Zinc	mg/kg	613000	NC	23500	NC	-	-	-	-	-	-	-	-
General Chemistry													
Percent moisture	%	NC	NC	NC	NC	29.8	37.4	-	28.8	-	-	-	-
Total solids	%	NC	NC	NC	NC	-	-	72.8	-	79.5	76.9	79.1	75.6

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/kg - milligrams per kilogram
ft BGS - feet below ground surface
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual- 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE A.4

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
SB-110 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-125*	*MW-125*	*MW-125*	*MW-125*	*MW-125*	*MW-125*	*MW-125*	*TMW-138*
Sample Name:				*WG-110107-JH-001*	*GW-120607-JH-032*	*GW-031208-JH-015*	*GW-062508-JH-014*	*WG-121211-DF-009*	*WG-121211-DF-010*	*GW-042712-JH-19*	*GW112806GC010*
Sample Date:				*11/1/2007*	*12/6/2007*	*3/12/2008*	*6/25/2008*	*12/12/2011*	*12/12/2011*	*4/27/2012*	*11/28/2006*
Sample Type:									*Duplicate*		
	Units	*KDHE Tier 2 Risk-Based Criteria Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*								
Volatile Organic Compounds											
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	-	-	0.00059 J	-
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-
Bromodichloromethane	mg/L	0.08	0.08	0.00017 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-
Chloroform (Trichloromethane	mg/L	0.08	0.08	0.00033 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.0005)	0.00048 J	ND(0.0005)	ND(0.0005)	0.00031 J	0.0003 J	ND(0.001)	-
Tetrachloroethene	mg/L	0.005	0.005	ND(0.001)	0.00047 J	ND(0.001)	ND(0.001)UJ	ND(0.001)	ND(0.001)	0.00043 J	0.00032 J
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.001)	ND(0.001)	ND(0.001)	-
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00021 J	0.0002 J	0.00032 J	-
Trichlorofluoromethane (CFC-	mg/L	1.9	1.09	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	-
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-
Total Petroleum Hydrocarbons				ND	ND	ND	ND	-	-	-	-

TABLE A.4

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
SB-110 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*TMW-150*	*TMW-150*	*TMW-150*	*TMW-151*	*TMW-151*	*TMW-152*	*TMW-152*
Sample Name:				*GW-042712-JH-13*	*GW-042712-JH-15*	*GW-050912-NL-06*	*GW-042712-JH-17*	*GW-051012-NL-10*	*GW-042612-JH-07*	*GW-051012-NL-11*
Sample Date:				*4/27/2012*	*4/27/2012*	*5/9/2012*	*4/27/2012*	*5/10/2012*	*4/26/2012*	*5/10/2012*
Sample Type:					*Duplicate*					
	Units	*KDHE Tier 2 Risk-Based Criteria Non-Residential Groundwater Pathway a*	*Residential Groundwater Pathway b*							
Volatile Organic Compounds										
1,2-Dichloroethene (total)	mg/L	NC	NC	0.0114	0.0119	0.0105	0.0374	0.0333	0.00036 J	0.00055 J
Benzene	mg/L	0.005	0.005	0.00012 J	0.00012 J	0.00012 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	mg/L	0.08	0.08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane	mg/L	0.08	0.08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.0097	0.0102	0.0089	0.0343	0.0305	ND(0.001)	0.00055 J
Tetrachloroethene	mg/L	0.005	0.005	0.00049 J	0.00047 J	0.0013	0.0011	0.0013	0.0049	0.0048
trans-1,2-Dichloroethene	mg/L	0.1	0.1	0.0017	0.0017	0.0016	0.0031	0.0028	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	0.0201[ab]	0.0205[ab]	0.0203[ab]	0.0099[ab]	0.0089[ab]	0.0013	0.0011
Trichlorofluoromethane (CFC-	mg/L	1.9	1.09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0014	0.0018
Vinyl chloride	mg/L	0.002	0.002	0.00027 J	0.00027 J	0.00032 J	0.00013 J	ND(0.001)	ND(0.001)	ND(0.001)
Total Petroleum Hydrocarbons				-	-	-	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
Boxed values exceed criteria.
mg/L - milligrams per liter
cfu/mL - colony forming units per milliliters
Risk Based Standards for Kansas, RSK Manual- 5th Version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE A.5

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
TMW-127 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-127*	*SB-127A*	*TMW-153*	*TMW-154*	*TMW-155*
Sample Name:						*SB-127 27.5-30'*	*S11806KGSB127A27.5-30*	*TMW 153 18-20*	*TMW 154 16-18*	*TMW 155 18-20*
Sample Date:						*11/3/2006*	*11/8/2006*	*4/11/2012*	*4/11/2012*	*4/11/2012*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(27.5-30) ft BGS*	*(27.5-30) ft BGS*	*(18-20) ft BGS*	*(16-18) ft BGS*	*(18-20) ft BGS*
Sample Type:		*Non-Residential*		*Residential*						
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*					
Volatile Organic Compounds										
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	-	-	ND(0.0051)	ND(0.006)	0.0183
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	-	ND(0.022)	ND(0.0101)	0.0239 J	ND(0.0102)
Acetone	mg/kg	406000	204	50300	51.6	-	ND(0.022)	ND(0.0202)	0.108 J	ND(0.0203)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	-	ND(0.0056)	ND(0.0025)	ND(0.003)	0.0171
trans-1,2-Dichloroethene	mg/kg	333	1.22	202	1.22	-	ND(0.0056)	ND(0.0025)	ND(0.003)	0.0012 J
Trichloroethene	mg/kg	69.8	0.0842	41	0.0842	-	ND(0.0056)	ND(0.0051)	ND(0.006)	0.0442
Semivolatile Organic Compounds										
Pyrene	mg/kg	26400	11900	1830	2190	0.018 J	-	-	-	-
Metals										
Aluminum	mg/kg	NC	NC	NC	NC	796	-	-	-	-
Arsenic	mg/kg	38	NC	11.3	NC	1.4 J	-	-	-	-
Barium	mg/kg	277000	NC	15300	NC	15.0 J	-	-	-	-
Calcium	mg/kg	NC	NC	NC	NC	2360	-	-	-	-
Chromium	mg/kg	111	NC	33.6	NC	2.0	-	-	-	-
Cobalt	mg/kg	579	NC	23.4	NC	1.8 J	-	-	-	-
Copper	mg/kg	81700	NC	3130	NC	0.98 J	-	-	-	-
Iron	mg/kg	NC	NC	NC	NC	2190	-	-	-	-
Lead	mg/kg	1000	NC	400	NC	1.7 J	-	-	-	-
Magnesium	mg/kg	NC	NC	NC	NC	835	-	-	-	-
Manganese	mg/kg	66200	NC	9300	NC	30.5	-	-	-	-
Nickel	mg/kg	32400	NC	1540	NC	4.1 J	-	-	-	-
Potassium	mg/kg	NC	NC	NC	NC	201 J	-	-	-	-
Vanadium	mg/kg	NC	NC	NC	NC	3.1 J	-	-	-	-
Zinc	mg/kg	613000	NC	23500	NC	8.9 J	-	-	-	-
General Chemistry										
Percent moisture	%	NC	NC	NC	NC	-	-	2.7	25.1	16.6
Total solids	%	NC	NC	NC	NC	84.2	90.1	-	-	-

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/kg - milligrams per kilogram
ft BGS - feet below ground surface
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual- 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE A.6

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
TMW-127 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-156*	*MW-156*	*TMW-127*	*TMW-127*	*TMW-127*	*TMW-127*	*TMW-153*	*TMW-153*	*TMW-154*	*TMW-154*	*TMW-155*	*TMW-155*
Sample Name:				*GW-042612-JH-14*	*GW-050912-NL-03*	*GW112706GC003*	*GW-091407-NT-002*	*WG-121311-DF-018*	*GW-042712-JH-18*	*GW-042612-JH-16*	*GW-050912-NL-04*	*GW-042612-JH-03*	*GW-050912-NL-01*	*GW-042612-JH-11*	*GW-050912-NL-02*
Sample Date:				*4/26/2012*	*5/9/2012*	*11/27/2006*	*9/14/2007*	*12/13/2011*	*4/27/2012*	*4/26/2012*	*5/9/2012*	*4/26/2012*	*5/9/2012*	*4/26/2012*	*5/9/2012*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*													
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*												
Volatile Organic Compounds															
1,1-Dichloroethane	mg/L	0.0461	0.025	0.00034 J	0.00037 J	ND(0.001)	-	ND(0.0067)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L	0.007	0.007	ND(0.001)	ND(0.001)	ND(0.001)	-	ND(0.0067)	0.00042 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0013	0.0011
1,2-Dichloroethene (total)	mg/L	NC	NC	0.113	0.0526	-	-	-	0.366	0.0275	0.0206	0.0064	0.007	0.803	0.735
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	-	ND(0.067)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.0096 J	ND(0.01)	0.0037 J
Benzene	mg/L	0.005	0.005	0.00032 J	0.0003 J	ND(0.001)	-	ND(0.0067)	0.00012 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00012 J	0.00011 J
Chloromethane (Methyl chloride)	mg/L	0.238	0.127	ND(0.001)	ND(0.001)	0.0044	-	ND(0.0067)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.0999[ab]	0.0379	0.77[ab]	-	0.14[ab]	0.354[ab]	0.0263	0.0197	0.0057	0.0061	0.77[ab]	0.709[ab]
Cymene (p-Isopropyltoluene)	mg/L	NC	NC	ND(0.001)	0.0005 J	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	ND(0.001)	-	0.0032 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	0.262	0.133	ND(0.001)	0.0002 J	-	-	ND(0.033)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	0.027[ab]	-	ND(0.0067)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	0.00011 J	0.00025 J	ND(0.001)	-	0.039	0.0005 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	0.0135	0.0147	0.0057	-	0.0029 J	0.012	0.0012	0.00097 J	0.00078 J	0.00089 J	0.0339	0.0354
Trichloroethene	mg/L	0.005	0.005	0.00062 J	0.00054 J	ND(0.001)	-	ND(0.0067)	0.00029 J	0.0016	0.0013	ND(0.001)	ND(0.001)	0.3[ab]	0.283[ab]
Vinyl chloride	mg/L	0.002	0.002	0.264[ab]	0.385[ab]	ND(0.001)	-	0.0031 J[ab]	0.0059[ab]	0.00023 J	0.00037 J	ND(0.001)	ND(0.001)	0.0053[ab]	0.0059[ab]
Xylenes (total)	mg/L	10	10	ND(0.003)	ND(0.003)	ND(0.001)	-	0.033	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
Semivolatile Organic Compounds				-	-	-	ND	ND	-	-	-	-	-	-	-
Metals															
Aluminum	mg/L			-	-	5.46	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	0.01	0.01	-	-	0.0278[ab]	0.0484[ab]	-	-	-	-	-	-	-	-
Barium	mg/L	2	2	-	-	0.302	-	-	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	142	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	0.0094 J	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	0.0037 J	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	0.0087 J	-	-	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	23	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	0.007	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	38.1	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	1.5[ab]	-	-	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	8.98	-	-	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	45.8	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	NC	NC	-	-	0.0159 J	-	-	-	-	-	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
Boxed values exceed criteria.
mg/L - milligrams per liter
cfu/mL - colony forming units per milliliters
Risk Based Standards for Kansas, RSK Manual- 5th Version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE A.7

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*S-26*	*S-27*	*SB-28*	*SB-28*	*SB-29*	*SB-29*	*SB-30*	*SB-30*
Sample Name:						*S-26-1154*	*S-27-1161*	*S-051199-PK-001*	*S-051199-PK-002*	*S-051199-PK-003*	*S-051199-PK-004*	*S-051199-PK-005*	*S-051199-PK-006*
Sample Date:						*8/25/1987*	*8/26/1987*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*
Depth:	*KDHE Tier 2 Risk-Based Criteria*					*(10) ft BGS*	*(15) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*
Sample Type:	*Non-Residential*		*Residential*										
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*								
Volatile Organic Compounds													
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	-	-	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	-	-	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	34800	27.2	4450	6.69	ND(0.5)	ND(0.5)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/kg	406000	204	50300	51.6	-	-	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Benzene	mg/kg	28.2	0.168	15.9	0.168	4.0[bd]	ND(0.5)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon disulfide	mg/kg	1680	15.6	1020	6.71	-	-	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	-	-	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Ethylbenzene	mg/kg	145	65.6	82	65.6	46.0	0.45	ND(0.005)	1.1	0.31	0.01	ND(0.005)	ND(0.005)
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	5.6[bd]	0.88[bd]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)
Toluene	mg/kg	29800	51.2	4320	51.2	ND(0.5)	ND(0.5)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Xylenes (total)	mg/kg	1410	809	936	809	ND(0.5)	ND(0.5)	ND(0.005)	5.8	0.91	ND(0.005)	ND(0.005)	ND(0.005)
General Chemistry													
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Ammonia	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Ash	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Percent moisture	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-
pH (solid)	none	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total kjeldahl nitrogen (TKN)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total solids	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-

TABLE A.7

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-31*	*SB-31*	*SB-32*	*SB-32*	*SB-33*	*SB-33*	*SB-34*	*SB-34*
Sample Name:						*S-051199-PK-007*	*S-051199-PK-008*	*S-051199-PK-009*	*S-051199-PK-010*	*S-051199-PK-011*	*S-051199-PK-012*	*S-051199-PK-013*	*S-051199-PK-014*
Sample Date:						*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*
Sample Type:		*Non-Residential*		*Residential*									
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*								
Volatile Organic Compounds													
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	34800	27.2	4450	6.69	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/kg	406000	204	50300	51.6	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Benzene	mg/kg	28.2	0.168	15.9	0.168	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon disulfide	mg/kg	1680	15.6	1020	6.71	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Ethylbenzene	mg/kg	145	65.6	82	65.6	ND(0.005)	0.033	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	mg/kg	29800	51.2	4320	51.2	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Xylenes (total)	mg/kg	1410	809	936	809	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
General Chemistry													
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Ammonia	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Ash	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Percent moisture	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-
pH (solid)	none	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total kjeldahl nitrogen (TKN)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total solids	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-

TABLE A.7

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-35*	*SB-35*	*SB-36*	*SB-36*	*SB-37*	*SB-37*	*SB-38*	*SB-38*
Sample Name:						*S-051199-PK-015*	*S-051199-PK-016*	*S-051199-PK-017*	*S-051199-PK-018*	*S-051199-PK-019*	*S-051199-PK-020*	*S-051199-PK-021*	*S-051199-PK-022*
Sample Date:						*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*	*5/11/1999*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(5-7) ft BGS*	*(10-12) ft BGS*	*(7-9) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*
Sample Type:		*Non-Residential*		*Residential*									
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*								
Volatile Organic Compounds													
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	ND(0.022)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	34800	27.2	4450	6.69	ND(0.011)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/kg	406000	204	50300	51.6	ND(0.11)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Benzene	mg/kg	28.2	0.168	15.9	0.168	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022
Carbon disulfide	mg/kg	1680	15.6	1020	6.71	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Ethylbenzene	mg/kg	145	65.6	82	65.6	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	1.1
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(0.006)	ND(0.005)	0.006	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	mg/kg	29800	51.2	4320	51.2	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Xylenes (total)	mg/kg	1410	809	936	809	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	5.8
General Chemistry													
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Ammonia	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Ash	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Percent moisture	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-
pH (solid)	none	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total kjeldahl nitrogen (TKN)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total solids	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-

TABLE A.7

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-39*	*SB-39*	*SB-40*	*SB-40*	*SB-41*	*SB-41*	*SB-42*
Sample Name:						*S-051299-PK-023*	*S-051299-PK-024*	*S-051299-PK-025*	*S-051299-PK-026*	*S-051299-PK-027*	*S-051299-PK-028*	*S-051299-PK-029*
Sample Date:						*5/12/1999*	*5/12/1999*	*5/12/1999*	*5/12/1999*	*5/12/1999*	*5/12/1999*	*5/12/1999*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*
Sample Type:		*Non-Residential*		*Residential*								
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*							
Volatile Organic Compounds												
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	34800	27.2	4450	6.69	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/kg	406000	204	50300	51.6	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	0.13	ND(0.1)	ND(0.1)
Benzene	mg/kg	28.2	0.168	15.9	0.168	ND(0.005)	ND(0.005)	0.095 J	0.033	ND(0.005)	0.018	0.072 J
Carbon disulfide	mg/kg	1680	15.6	1020	6.71	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Ethylbenzene	mg/kg	145	65.6	82	65.6	ND(0.005)	ND(0.005)	18	19	6.4 J	4.6	2.3
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	mg/kg	29800	51.2	4320	51.2	ND(0.005)	ND(0.005)	64[bd]	2.8 J	9.5 J	13	1
Xylenes (total)	mg/kg	1410	809	936	809	ND(0.005)	ND(0.005)	180	120	32	87	11
General Chemistry												
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-
Ammonia	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-
Ash	%	NC	NC	NC	NC	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-
Percent moisture	%	NC	NC	NC	NC	-	-	-	-	-	-	-
pH (solid)	none	NC	NC	NC	NC	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-
Total kjeldahl nitrogen (TKN)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-
Total solids	%	NC	NC	NC	NC	-	-	-	-	-	-	-

TABLE A.7

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-42*	*SB-43*	*SB-43*	*SB-44*	*SB-44*	*SB-45*	*SB-45*	*SB-46*
Sample Name:						*S-051299-PK-030*	*S-051299-PK-031*	*S-051299-PK-032*	*S-051299-PK-033*	*S-051299-PK-034*	*S-051299-PK-035*	*S-051299-PK-036*	*S-051299-PK-037*
Sample Date:						*5/12/1999*	*5/12/1999*	*5/12/1999*	*5/12/1999*	*5/12/1999*	*5/12/1999*	*5/12/1999*	*5/12/1999*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(5-7) ft BGS*
Sample Type:		*Non-Residential*		*Residential*									
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*								
Volatile Organic Compounds													
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	0.008 J	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	22	ND(0.022)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	34800	27.2	4450	6.69	410[bd]	0.93	0.21	ND(0.01)	0.039	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/kg	406000	204	50300	51.6	190 J[d]	0.33	ND(0.1)	ND(0.1)	ND(0.1)	0.1	ND(0.1)	ND(0.1)
Benzene	mg/kg	28.2	0.168	15.9	0.168	4.7 J[bd]	ND(0.006)	0.084	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon disulfide	mg/kg	1680	15.6	1020	6.71	ND(0.005)UJ	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	0.007 J	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Ethylbenzene	mg/kg	145	65.6	82	65.6	890[abcd]	1.7	22	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(0.005)UJ	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	mg/kg	29800	51.2	4320	51.2	2300[bd]	0.72	0.1 J	ND(0.005)	0.038	ND(0.005)	ND(0.005)	ND(0.005)
Xylenes (total)	mg/kg	1410	809	936	809	4700[abcd]	14	110	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)
General Chemistry													
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Ammonia	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Ash	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Percent moisture	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-
pH (solid)	none	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total kjeldahl nitrogen (TKN)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-
Total solids	%	NC	NC	NC	NC	-	-	-	-	-	-	-	-

TABLE A.7

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-46*	*SB-47*	*SB-47*	*SB-50*	*SB-51*	*SB-101*	*SB-101*
Sample Name:						*S-051299-PK-038*	*S-051299-PK-039*	*S-051299-PK-040*	*SB 50 18-20*	*SB 51 18-20*	*S-122004-DS-101*	*S-122004-DS-102*
Sample Date:						*5/12/1999*	*5/12/1999*	*5/12/1999*	*4/11/2012*	*4/11/2012*	*12/20/2004*	*12/20/2004*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(10-12) ft BGS*	*(5-7) ft BGS*	*(10-12) ft BGS*	*(18-20) ft BGS*	*(18-20) ft BGS*	*(8-10) ft BGS*	*(12-14) ft BGS*
Sample Type:		*Non-Residential*		*Residential*								
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*							
Volatile Organic Compounds												
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.0058)	ND(0.005)	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	ND(0.02)	ND(0.021)	ND(0.024)	ND(0.0117)	0.0106 J	ND(0.025)	ND(2400)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	34800	27.2	4450	6.69	ND(0.011)	ND(0.01)	ND(0.012)	ND(0.0117)	ND(0.01)	0.009 J	1700 J[bd]
Acetone	mg/kg	406000	204	50300	51.6	0.24	ND(0.1)	ND(0.12)	ND(0.0234)	0.0426 J	0.015 J	ND(2400)
Benzene	mg/kg	28.2	0.168	15.9	0.168	0.007	ND(0.005)	0.12	ND(0.0058)	ND(0.005)	0.024	ND(610)
Carbon disulfide	mg/kg	1680	15.6	1020	6.71	0.008	ND(0.005)	ND(0.006)	ND(0.0058)	ND(0.005)	ND(0.0063)	ND(610)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.0029)	ND(0.0025)	ND(0.0063)	ND(610)
Ethylbenzene	mg/kg	145	65.6	82	65.6	2.8 J	ND(0.005)	0.7	ND(0.0058)	ND(0.005)	0.0057 J	2100[abcd]
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.0058)	ND(0.005)	ND(0.0063)	ND(610)
Toluene	mg/kg	29800	51.2	4320	51.2	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.0058)	ND(0.005)	0.0059 J	18000[bcd]
Xylenes (total)	mg/kg	1410	809	936	809	84	0.054	0.13	ND(0.0058)	ND(0.005)	0.011 J	12000[abcd]
General Chemistry												
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	ND(0)	-
Ammonia	mg/kg	NC	NC	NC	NC	-	-	-	-	-	5.5	13
Ash	%	NC	NC	NC	NC	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	ND(6.7)	ND(6.9)
Percent moisture	%	NC	NC	NC	NC	-	-	-	25.5	19.3	-	-
pH (solid)	none	NC	NC	NC	NC	-	-	-	-	-	7.3	6.2
Total heterotropic bacteria	cfu/mL	NC	NC	NC	NC	-	-	-	-	-	5000	-
Total kjeldahl nitrogen (TKN)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	260 J	960 J
Total solids	%	NC	NC	NC	NC	-	-	-	-	-	74.9	72.6

TABLE A.7

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-102*	*SB-102*	*SB-103*	*SB-103*	*SB-104*	*SB-104*	*SB-105*
Sample Name:						*S-122004-DS-103*	*S-122004-DS-104*	*S-122004-DS-105*	*S-122004-DS-106*	*S-122004-DS-107*	*S-122004-DS-108*	*S-122004-DS-109*
Sample Date:						*12/20/2004*	*12/20/2004*	*12/20/2004*	*12/20/2004*	*12/20/2004*	*12/20/2004*	*12/20/2004*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(8-10) ft BGS*	*(12-14) ft BGS*	*(8-10) ft BGS*	*(12-14) ft BGS*	*(8-10) ft BGS*	*(12-14) ft BGS*	*(8-10) ft BGS*
Sample Type:		*Non-Residential*		*Residential*								
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*							
Volatile Organic Compounds												
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	ND(23)	ND(510)	0.0025 J	ND(1.2)UJ	ND(130)	ND(2500)	ND(11)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	34800	27.2	4450	6.69	ND(23)	ND(510)	ND(0.023)	ND(1.2)UJ	ND(130)	ND(2500)	ND(11)
Acetone	mg/kg	406000	204	50300	51.6	ND(23)	ND(510)	0.016 J	ND(1.2)UJ	ND(130)	280 J[bd]	ND(11)
Benzene	mg/kg	28.2	0.168	15.9	0.168	0.27 J[bd]	7.9 J[bd]	0.00056 J	0.086 J	ND(32)	ND(620)	ND(2.8)
Carbon disulfide	mg/kg	1680	15.6	1020	6.71	ND(5.8)	ND(130)	ND(0.0057)	ND(0.3)UJ	ND(32)	ND(620)	ND(2.8)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	ND(5.8)	ND(130)	ND(0.0057)	ND(0.3)UJ	ND(32)	ND(620)	ND(2.8)
Ethylbenzene	mg/kg	145	65.6	82	65.6	13	2000[abcd]	0.0022 J	0.13 J	540[abcd]	4800[abcd]	26
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	ND(5.8)	ND(130)	ND(0.0057)	ND(0.3)UJ	ND(32)	ND(620)	ND(2.8)
Toluene	mg/kg	29800	51.2	4320	51.2	ND(5.8)	4100[bd]	0.0017 J	0.43 J	630[bd]	21000[bcd]	3.7
Xylenes (total)	mg/kg	1410	809	936	809	250	10000[abcd]	0.0018 J	4.3 J	3200[abcd]	24000[abcd]	230
General Chemistry												
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	NC	NC	ND(0)	86000	500	870000	570000	5600	-
Ammonia	mg/kg	NC	NC	NC	NC	14	3.1	2.9	14	7.0	7.7	11
Ash	%	NC	NC	NC	NC	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	NC	NC	NC	NC	ND(6.5)	ND(5.5)	ND(5.9)	0.22 J	ND(6.9)	ND(6.7)	ND(6.2)
Percent moisture	%	NC	NC	NC	NC	-	-	-	-	-	-	-
pH (solid)	none	NC	NC	NC	NC	7.1	7.0	7.9	7.5	7.8	8.0	7.8
Total heterotropic bacteria	cfu/mL	NC	NC	NC	NC	ND(0)	310000	15000	1100000	420000	5100	-
Total kjeldahl nitrogen (TKN)	mg/kg	NC	NC	NC	NC	540 J	250 J	130 J	1200 J	350 J	ND(200)UJ	450 J
Total solids	%	NC	NC	NC	NC	77.1	90.9	84.5	79.4	72.6	74.4	80.4

TABLE A.7

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
MW-103A AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-105*	*SB-105*		*SB-106*	*SB-107*	*SB-107*	*TMW-157*
Sample Name:						*S-122004-DS-102*	*S-122004-DS-110*	*S-122004-DS-111*	*S-122004-DS-112*	*S-122004-DS-113*	*S-122004-DS-114*	*TMW 157 18-20*
Sample Date:						*12/20/2004*	*12/20/2004*	*12/20/2004*	*12/20/2004*	*12/20/2004*	*12/20/2004*	*4/10/2012*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(12-14) ft BGS*	*(12-14) ft BGS*	*(8-10) ft BGS*	*(12-14) ft BGS*	*(8-10) ft BGS*	*(12-14) ft BGS*	*(18-20) ft BGS*
Sample Type:		*Non-Residential*		*Residential*								
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*							
Volatile Organic Compounds												
1,2-Dichloroethene (total)	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	ND(0.0055)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	-	ND(710)	ND(0.023)	ND(1.2)	ND(0.023)	ND(0.024)	0.0105 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	34800	27.2	4450	6.69	-	ND(710)	ND(0.023)	ND(1.2)	ND(0.023)	ND(0.024)	0.0033 J
Acetone	mg/kg	406000	204	50300	51.6	-	ND(710)	0.0071 J	ND(1.2)	ND(0.023)	0.0091 J	0.0319 J
Benzene	mg/kg	28.2	0.168	15.9	0.168	-	ND(180)	ND(0.0057)	ND(0.31)	ND(0.0057)	ND(0.0061)	ND(0.0055)
Carbon disulfide	mg/kg	1680	15.6	1020	6.71	-	ND(180)	ND(0.0057)	ND(0.31)	ND(0.0057)	ND(0.0061)	ND(0.0055)
cis-1,2-Dichloroethene	mg/kg	194	0.855	115	0.855	-	ND(180)	ND(0.0057)	ND(0.31)	ND(0.0057)	ND(0.0061)	ND(0.0027)
Ethylbenzene	mg/kg	145	65.6	82	65.6	-	1500[abcd]	ND(0.0057)	0.13 J	ND(0.0057)	0.0033 J	ND(0.0055)
Tetrachloroethene	mg/kg	16.5	0.121	7.54	0.121	-	ND(180)	ND(0.0057)	ND(0.31)	ND(0.0057)	ND(0.0061)	ND(0.0055)
Toluene	mg/kg	29800	51.2	4320	51.2	-	5000[bcd]	0.0028 J	0.3 J	0.0014 J	0.01	ND(0.0055)
Xylenes (total)	mg/kg	1410	809	936	809	-	7900[abcd]	ND(0.011)	0.67	ND(0.011)	0.018	ND(0.0055)
General Chemistry												
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	NC	NC	5500	-	-	-	-	-	-
Ammonia	mg/kg	NC	NC	NC	NC	-	2.3	-	-	-	-	-
Ash	%	NC	NC	NC	NC	-	-	3.6	3.6	1.7	2.7	-
Nitrate (as N)	mg/kg	NC	NC	NC	NC	-	ND(5.9)	-	-	-	-	-
Percent moisture	%	NC	NC	NC	NC	-	-	-	-	-	-	22.4
pH (solid)	none	NC	NC	NC	NC	-	8.0	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	NC	NC	10000	-	-	-	-	-	-
Total kjeldahl nitrogen (TKN)	mg/kg	NC	NC	NC	NC	-	98 J	-	-	-	-	-
Total solids	%	NC	NC	NC	NC	-	85.1	75.3	81.7	80.9	77.2	-

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/kg - milligrams per kilogram
ft BGS - feet below ground surface
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual- 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*
Sample Name:				*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*GW-051299-JH-102*	*GW-062706-JH-014*
Sample Date:				*10/1/1988*	*6/1/1989*	*7/1/1989*	*11/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*	*5/1/1992*	*11/1/1992*	*6/1/1993*	*11/1/1993*	*6/21/1994*	*5/12/1999*	*6/27/2006*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*																
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*															
Volatile Organic Compounds																		
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.005)	ND(0.001)	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.02)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.01)	ND(0.01)
Acetone	mg/L	45.5	11.5	ND(0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.1)	ND(0.01)
Benzene	mg/L	0.005	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	1.66	0.716	-	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.005)	ND(0.001)
Chloroform (Trichloromethane)	mg/L	0.08	0.08	ND(0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.0005)
Cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene	mg/L	NC	NC	ND(0.005)	-	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	-	-	-
Ethylbenzene	mg/L	0.7	0.7	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)
Methyl cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	0.005	0.005	ND(0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.005)	ND(0.001)
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	ND(0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	ND(0.005)	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.002	0.002	ND(0.01)	-	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	10	10	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.003)	ND(0.001)
Semivolatile Organic Compounds																		
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons																		
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*
Sample Name:				*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*GW-051299-JH-102*	*GW-062706-JH-014*
Sample Date:				*10/1/1988*	*6/1/1989*	*7/1/1989*	*11/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*	*5/1/1992*	*11/1/1992*	*6/1/1993*	*11/1/1993*	*6/21/1994*	*5/12/1999*	*6/27/2006*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*																
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*															
Metals																		
Arsenic	mg/L	0.01	0.01	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	2	2	0.185	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	0.004	0.004	ND(0.001)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.005	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	0.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	0.03[ab]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	2.04	0.312	0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	ND(0.001)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	0.508	0.0779	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	0.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	30.5	4.67	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides																		
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																		
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*
Sample Name:				*GW-091207-NT-020*	*GW-120507-JH-014*	*GW-031208-JH-016*	*GW-062408-JH-010*	*WG-121211-DF-001*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*
Sample Date:				*9/12/2007*	*12/5/2007*	*3/12/2008*	*6/24/2008*	*12/12/2011*	*10/1/1988*	*6/1/1989*	*7/1/1989*	*11/1/1989*	*5/1/1990*	*11/1/1990*	*11/1/1990*	*5/1/1991*	*5/1/1991*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*												*Duplicate*		*Duplicate*	
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*														
		a	*b*														
Volatile Organic Compounds																	
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(1)	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(1)	-	-	-	-	-	-	-	-
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.5)	-	-	-	-	-	-	-	-
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.5)	ND(0.005)	ND(0.005)	0.35[ab]	ND(2.5)	0.57[ab]	0.56[ab]	0.13[ab]	0.14[ab]
Carbon disulfide	mg/L	1.66	0.716	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	0.08	0.08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	1.5[ab]	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.001)	-	-	-	-	-	-	-	-	-
Cyclohexane	mg/L	NC	NC	-	-	-	-	ND(0.001)	-	-	-	-	-	-	-	-	-
Dichloroethene	mg/L	NC	NC	-	-	-	-	-	ND(0.5)	-	ND(0.005)	ND(0.005)	ND(2.5)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Ethylbenzene	mg/L	0.7	0.7	0.00071 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	2.45[ab]	0.018	0.018	22.5[ab]	7[ab]	7.7[ab]	7.5[ab]	0.57	0.56
Methyl cyclohexane	mg/L	NC	NC	-	-	-	-	ND(0.001)	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	2[ab]	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)UJ	ND(0.001)	ND(0.5)	-	-	-	-	-	-	-	-
Toluene	mg/L	1	1	0.0009 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	51.65[ab]	0.071	0.071	63.1[ab]	150[ab]	142[ab]	145[ab]	0.29	0.35
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.5)	-	-	-	-	-	-	-	-
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(1)	-	-	-	-	-	-	-	-
Xylenes (total)	mg/L	10	10	0.00071 J	ND(0.001)	ND(0.001)	ND(0.001)UJ	ND(0.002)	8.75	ND(0.005)	0.005	4.33	49[ab]	44[ab]	44[ab]	1.2	2.3
Semivolatile Organic Compounds																	
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	ND(0.004)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	ND(0.004)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	ND(0.004)	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	ND(0.004)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons																	
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	0.037 J	ND(0.1)	ND(0.1)	ND(0.1)	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-102A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*
Sample Name:				*GW-091207-NT-020*	*GW-120507-JH-014*	*GW-031208-JH-016*	*GW-062408-JH-010*	*WG-121211-DF-001*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*
Sample Date:				*9/12/2007*	*12/5/2007*	*3/12/2008*	*6/24/2008*	*12/12/2011*	*10/1/1988*	*6/1/1989*	*7/1/1989*	*11/1/1989*	*5/1/1990*	*11/1/1990*	*11/1/1990*	*5/1/1991*	*5/1/1991*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*												*Duplicate*		*Duplicate*	
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*														
Metals																	
Arsenic	mg/L	0.01	0.01	-	-	-	-	-	0.279[ab]	-	-	-	-	-	-	-	-
Barium	mg/L	2	2	-	-	-	-	-	0.254	-	-	-	-	-	-	-	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	-	0.0083[ab]	-	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	-	0.061	-	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	-	0.041	-	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	-	0.34[ab]	-	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	-	0.0005	-	-	-	-	-	-	-	-
Nickel	mg/L	2.04	0.312	-	-	-	-	-	0.8[b]	-	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	-	ND(0.001)	-	-	-	-	-	-	-	-
Silver	mg/L	0.508	0.0779	-	-	-	-	-	0.023	-	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	-	0.232	-	-	-	-	-	-	-	-
Zinc	mg/L	30.5	4.67	-	-	-	-	-	0.46	-	-	-	-	-	-	-	-
Pesticides																	
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	0.00007[b]	-	-	-	-	-	-	-	-
General Chemistry																	
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*
Sample Name:				*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*GW-100398-JM-003*	*GW-051399-JH-106*	*GW-051399-JH-105*	*GW-091207-NT-018*
Sample Date:				*11/1/1991*	*11/1/1991*	*5/1/1992*	*5/1/1992*	*11/1/1992*	*6/1/1993*	*6/1/1993*	*11/1/1993*	*6/1/1994*	*6/22/1994*	*10/3/1998*	*5/13/1999*	*5/13/1999*	*9/12/2007*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*		*Duplicate*		*Duplicate*			*Duplicate*						*Duplicate*		*Duplicate*
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*														
		a	*b*														
Volatile Organic Compounds																	
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	ND(0.25)	-	0.003	0.003	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	-	-	-	-	-	-	-	-	-	-	1.5	0.8 J	0.81 J	ND(50)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	-	-	-	-	-	-	-	-	-	-	81[ab]	29[ab]	30[ab]	33 J[ab]
Acetone	mg/L	45.5	11.5	-	-	-	-	-	-	-	-	-	-	270[ab]	120[ab]	140[ab]	ND(50)
Benzene	mg/L	0.005	0.005	0.35[ab]	0.35[ab]	ND(0.25)	ND(0.25)	0.21[ab]	0.067[ab]	0.062[ab]	ND(2.5)	ND(0.25)	ND(0.25)	0.34[ab]	0.14[ab]	0.13[ab]	ND(5)
Carbon disulfide	mg/L	1.66	0.716	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.005)	ND(0.005)	ND(5)
Chloroform (Trichloromethane)	mg/L	0.08	0.08	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(5)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	-	-	-	-	-	-	-	-	-	-	ND(0.001)	0.002	0.003	ND(2.5)
Cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene	mg/L	NC	NC	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.005)	ND(0.05)	ND(0.05)	ND(2.5)	ND(0.25)	-	-	-	-	-
Ethylbenzene	mg/L	0.7	0.7	3.2[ab]	2.7[ab]	1.3[ab]	1.3[ab]	1.7[ab]	1.5[ab]	1.5[ab]	6.1[ab]	0.56	0.56	1.4[ab]	0.57	0.5	7.9[ab]
Methyl cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	ND(0.002)	ND(0.005)	ND(0.005)	ND(5)
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(5)
Toluene	mg/L	1	1	27[ab]	25[ab]	5.3[ab]	4.8[ab]	19[ab]	7.2[ab]	7.2[ab]	93[ab]	9.9[ab]	9.9[ab]	34[ab]	9[ab]	8.9[ab]	130[ab]
Trichloroethene	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(5)
Vinyl chloride	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(5)
Xylenes (total)	mg/L	10	10	21[ab]	18[ab]	10	9.9	13[ab]	7.9	9.8	34[ab]	3.6	3.6	11[ab]	3.9	3.8	67[ab]
Semivolatile Organic Compounds																	
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons																	
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	380[ab]

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*
Sample Name:				*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*GW-100398-JM-003*	*GW-051399-JH-106*	*GW-051399-JH-105*	*GW-091207-NT-018*
Sample Date:				*11/1/1991*	*11/1/1991*	*5/1/1992*	*5/1/1992*	*11/1/1992*	*6/1/1993*	*6/1/1993*	*11/1/1993*	*6/1/1994*	*6/22/1994*	*10/3/1998*	*5/13/1999*	*5/13/1999*	*9/12/2007*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*		*Duplicate*		*Duplicate*			*Duplicate*						*Duplicate*		*Duplicate*
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*														
Metals																	
Arsenic	mg/L	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	2.04	0.312	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	0.508	0.0779	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	30.5	4.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides																	
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																	
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:			*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103B*	*MW-103B*
Sample Name:			*GW-091207-NT-017*	*GW-120607-JH-031*	*GW-120607-JH-030*	*GW-031208-JH-021*	*GW-031208-JH-020*	*GW-062508-JH-019*	*GW-062508-JH-018*	*WG-121311-DF-014*	*WG-121311-DF-013*	*MW-103B*	*MW-103B*
Sample Date:			*9/12/2007*	*12/6/2007*	*12/6/2007*	*3/12/2008*	*3/12/2008*	*6/25/2008*	*6/25/2008*	*12/13/2011*	*12/13/2011*	*6/1/1989*	*7/1/1989*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*		*Duplicate*		*Duplicate*		*Duplicate*		*Duplicate*			
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*										
Volatile Organic Compounds													
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(25)	ND(25)	1.1 J	1.3 J	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	30 J[ab]	160[ab]	160[ab]	68[ab]	67[ab]	3.1 J[b]	3.5 J[b]	34[ab]	33[ab]	-	-
Acetone	mg/L	45.5	11.5	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(25)	ND(25)	70[ab]	70[ab]	-	-
Benzene	mg/L	0.005	0.005	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(2.5)	ND(2.5)	ND(2)	ND(2)	ND(0.005)	ND(0.005)
Carbon disulfide	mg/L	1.66	0.716	ND(5)	ND(5)	ND(5)	ND(5)	2.7 J[ab]	ND(2.5)	ND(2.5)	ND(2)	ND(2)	-	-
Chloroform (Trichloromethane)	mg/L	0.08	0.08	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(2.5)	ND(2.5)	ND(2)	ND(2)	-	-
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(1.2)	ND(1.2)	ND(2)	ND(2)	-	-
Cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	ND(2)	ND(2)	-	-
Dichloroethene	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	ND(0.005)
Ethylbenzene	mg/L	0.7	0.7	7.4[ab]	7.5[ab]	8[ab]	7.4[ab]	6.6[ab]	5.4[ab]	5.4[ab]	2.6[ab]	2.4[ab]	ND(0.005)	ND(0.005)
Methyl cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	ND(2)	ND(2)	-	-
Methylene chloride	mg/L	0.005	0.005	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(2.5)	ND(2.5)	ND(2)	ND(2)	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(2.5)UJ	ND(2.5)UJ	ND(2)	ND(2)	-	-
Toluene	mg/L	1	1	120[ab]	140[ab]	150[ab]	120[ab]	120[ab]	100[ab]	100[ab]	61[ab]	57[ab]	0.028	ND(0.005)
Trichloroethene	mg/L	0.005	0.005	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(2.5)	ND(2.5)	ND(2)	ND(2)	-	-
Vinyl chloride	mg/L	0.002	0.002	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(2.5)	ND(2.5)	ND(2)	ND(2)	-	-
Xylenes (total)	mg/L	10	10	63[ab]	56[ab]	57[ab]	55[ab]	52[ab]	45[ab]	45[ab]	28[ab]	26[ab]	ND(0.005)	ND(0.005)
Semivolatile Organic Compounds													
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	-	0.33[b]	0.35[b]	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	-	-	ND(0.26)	ND(0.26)	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	-	0.0087 J	0.0074 J	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	-	0.45	0.55	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	0.58	0.72	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	-	ND(0.051)	ND(0.052)	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	-	-	ND(0.1)	ND(0.1)	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	0.28[ab]	0.26[ab]	-	-
Total Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	9.8[ab]	7.9[ab]	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	390[ab]	540[ab]	470[ab]	360 J[ab]	210 J[ab]	260[ab]	290[ab]	180[ab]	180[ab]	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103A*	*MW-103B*	*MW-103B*
Sample Name:				*GW-091207-NT-017*	*GW-120607-JH-031*	*GW-120607-JH-030*	*GW-031208-JH-021*	*GW-031208-JH-020*	*GW-062508-JH-019*	*GW-062508-JH-018*	*WG-121311-DF-014*	*WG-121311-DF-013*	*MW-103B*	*MW-103B*
Sample Date:				*9/12/2007*	*12/6/2007*	*12/6/2007*	*3/12/2008*	*3/12/2008*	*6/25/2008*	*6/25/2008*	*12/13/2011*	*12/13/2011*	*6/1/1989*	*7/1/1989*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*			*Duplicate*		*Duplicate*		*Duplicate*		*Duplicate*			
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*											
Metals														
Arsenic	mg/L	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	2	2	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	2.04	0.312	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	0.508	0.0779	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	30.5	4.67	-	-	-	-	-	-	-	-	-	-	-
Pesticides														
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-	-
General Chemistry														
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*
Sample Name:				*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*GW-091207-NT-015*	*GW-120507-JH-021*
Sample Date:				*11/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*	*5/1/1992*	*11/1/1992*	*6/1/1993*	*11/1/1993*	*6/1/1994*	*6/22/1994*	*9/12/2007*	*12/5/2007*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*														
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*													
		a	*b*													
Volatile Organic Compounds																
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	ND(0.005)	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	-	-	-	-	-	-	-	-	-	-	-	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	-	-	-	-	-	-	-	-	-	-	-	ND(0.01)	ND(0.01)
Acetone	mg/L	45.5	11.5	-	-	-	-	-	-	-	-	-	-	-	ND(0.01)	ND(0.01)
Benzene	mg/L	0.005	0.005	0.015[ab]	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	1.66	0.716	-	-	-	-	-	-	-	-	-	-	-	0.00091 J	ND(0.001)
Chloroform (Trichloromethane)	mg/L	0.08	0.08	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	-	-	-	-	-	-	-	-	-	-	-	0.0034	0.0064
Cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene	mg/L	NC	NC	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	-	-	-
Ethylbenzene	mg/L	0.7	0.7	0.22	ND(0.005)	ND(0.005)	ND(0.005)	0.006	0.01	ND(0.005)	ND(0.005)	0.008	0.002	0.0024	ND(0.001)	ND(0.001)
Methyl cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	0.055	ND(0.005)	ND(0.005)	ND(0.005)	0.054	0.14	0.046	0.017	0.066	0.043	0.043	ND(0.001)	0.00026 J
Trichloroethene	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	0.001
Xylenes (total)	mg/L	10	10	0.038	ND(0.005)	0.006	ND(0.005)	0.047	0.086	0.055	0.02	0.051	0.023	0.023	ND(0.001)	ND(0.001)
Semivolatile Organic Compounds																
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons																
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	0.031 J	ND(0.1)

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*
Sample Name:				*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*MW-103B*	*GW-091207-NT-015*	*GW-120507-JH-021*
Sample Date:				*11/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*	*5/1/1992*	*11/1/1992*	*6/1/1993*	*11/1/1993*	*6/1/1994*	*6/22/1994*	*9/12/2007*	*12/5/2007*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*														
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*													
Metals																
Arsenic	mg/L	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	2.04	0.312	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	0.508	0.0779	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	30.5	4.67	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides																
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:			*MW-103B*	*MW-103B*	*MW-103B*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*
Sample Name:			*GW-031208-JH-022*	*GW-062508-JH-017*	*WG-121411-KH-029*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*
Sample Date:			*3/12/2008*	*6/25/2008*	*12/14/2011*	*6/1/1989*	*7/1/1989*	*11/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*	*5/1/1992*	*11/1/1992*	*6/1/1993*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*													
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*												
Volatile Organic Compounds															
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-	-	-	-	-	-
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-	-	-	-	-	-
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon disulfide	mg/L	1.66	0.716	0.00073 J	ND(0.001)	ND(0.001)	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	0.08	0.08	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.0038	0.00094	0.0044	-	-	-	-	-	-	-	-	-
Cyclohexane	mg/L	NC	NC	-	-	ND(0.001)	-	-	-	-	-	-	-	-	-
Dichloroethene	mg/L	NC	NC	-	-	-	-	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Ethylbenzene	mg/L	0.7	0.7	0.00026 J	ND(0.001)	ND(0.001)	0.099	0.099	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.023	ND(0.005)	ND(0.005)
Methyl cyclohexane	mg/L	NC	NC	-	-	ND(0.001)	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)UJ	ND(0.001)	-	-	-	-	-	-	-	-	-
Toluene	mg/L	1	1	0.0016	ND(0.001)	ND(0.001)	0.098	0.098	ND(0.005)	ND(0.005)	0.032	ND(0.005)	0.3	0.04	0.025	0.005
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/L	0.002	0.002	0.00057 J	ND(0.001)	ND(0.001)	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	mg/L	10	10	0.0016	ND(0.001)	ND(0.002)	0.025	0.025	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.21	0.034	0.025	0.008
Semivolatile Organic Compounds															
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons															
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	ND(0.1)	ND(0.1)	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:			*MW-103B*	*MW-103B*	*MW-103B*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*
Sample Name:			*GW-031208-JH-022*	*GW-062508-JH-017*	*WG-121411-KH-029*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*
Sample Date:			*3/12/2008*	*6/25/2008*	*12/14/2011*	*6/1/1989*	*7/1/1989*	*11/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*	*5/1/1992*	*11/1/1992*	*6/1/1993*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*													
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*												
Metals															
Arsenic	mg/L	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	2.04	0.312	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	0.508	0.0779	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	30.5	4.67	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides															
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry															
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-104*	*MW-104*
Sample Name:				*MW-103C*	*MW-103C*	*MW-103C*	*GW-100398-JM-007*	*GW-100398-JM-005*	*GW-091207-NT-016*	*GW-120507-JH-020*	*GW-031208-JH-024*	*GW-062508-JH-016*	*WG-121411-KH-030*	*MW-104*	*MW-104*
Sample Date:				*11/1/1993*	*6/1/1994*	*6/22/1994*	*10/3/1998*	*10/3/1998*	*9/12/2007*	*12/5/2007*	*3/12/2008*	*6/25/2008*	*12/14/2011*	*10/1/1988*	*6/1/1989*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*					*Duplicate*								
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*												
Volatile Organic Compounds															
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	ND(0.005)	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	-	-	-	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	-	-	-	0.098	0.11	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-
Acetone	mg/L	45.5	11.5	-	-	-	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.0657	-
Benzene	mg/L	0.005	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.003	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)
Carbon disulfide	mg/L	1.66	0.716	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Chloroform (Trichloromethane)	mg/L	0.08	0.08	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0072	-
cis-1,2-Dichloroethene	mg/L	0.07	0.07	-	-	-	ND(0.001)	ND(0.001)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.001)	-	-
Cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	ND(0.001)	-	-
Dichloroethene	mg/L	NC	NC	ND(0.005)	ND(0.005)	-	-	-	-	-	-	-	-	ND(0.005)	-
Ethylbenzene	mg/L	0.7	0.7	0.006	ND(0.005)	ND(0.005)	0.018	0.022	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)
Methyl cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	ND(0.001)	-	-
Methylene chloride	mg/L	0.005	0.005	-	-	-	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0429[ab]	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)UJ	ND(0.001)	ND(0.005)	-
Toluene	mg/L	1	1	0.042	0.003	0.0032	0.46	0.53	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0079	ND(0.005)
Trichloroethene	mg/L	0.005	0.005	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	-
Vinyl chloride	mg/L	0.002	0.002	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	-
Xylenes (total)	mg/L	10	10	0.035	ND(0.005)	ND(0.005)	0.16	0.18	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.005)	ND(0.005)
Semivolatile Organic Compounds															
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons															
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	-	-	-	-	-	0.033 J	ND(0.1)	ND(0.1)	ND(0.1)	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-103C*	*MW-104*	*MW-104*
Sample Name:				*MW-103C*	*MW-103C*	*MW-103C*	*GW-100398-JM-007*	*GW-100398-JM-005*	*GW-091207-NT-016*	*GW-120507-JH-020*	*GW-031208-JH-024*	*GW-062508-JH-016*	*WG-121411-KH-030*	*MW-104*	*MW-104*
Sample Date:				*11/1/1993*	*6/1/1994*	*6/22/1994*	*10/3/1998*	*10/3/1998*	*9/12/2007*	*12/5/2007*	*3/12/2008*	*6/25/2008*	*12/14/2011*	*10/1/1988*	*6/1/1989*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*					*Duplicate*								
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*												
Metals															
Arsenic	mg/L	0.01	0.01	-	-	-	-	-	-	-	-	-	-	0.009	-
Barium	mg/L	2	2	-	-	-	-	-	-	-	-	-	-	0.422	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	-	-	-	-	-	-	0.001	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	0.006[ab]	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	-	-	-	-	-	-	0.02	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	-	-	-	-	-	-	0.017	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	-	-	-	-	-	-	0.05[ab]	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-	0.0005	-
Nickel	mg/L	2.04	0.312	-	-	-	-	-	-	-	-	-	-	0.055	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	ND(0.001)	-
Silver	mg/L	0.508	0.0779	-	-	-	-	-	-	-	-	-	-	0.003	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	0.032	-
Zinc	mg/L	30.5	4.67	-	-	-	-	-	-	-	-	-	-	0.1	-
Pesticides															
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry															
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:			*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*
Sample Name:			*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*GW-051299-JH-101*	*GW-062706-JH-013*	*GW-062706-JH-012*	*GW-091207-NT-014*
Sample Date:			*7/1/1989*	*10/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*	*5/1/1992*	*11/1/1992*	*6/1/1993*	*11/1/1993*	*6/23/1994*	*5/12/1999*	*6/27/2006*	*6/27/2006*	*9/12/2007*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*													*Duplicate*		
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*														
Volatile Organic Compounds																	
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	ND(0.005)	ND(0.001)	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	-	-	-	-	-	-	-	-	-	-	-	ND(0.02)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	-	-	-	-	-	-	-	-	-	-	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	45.5	11.5	-	-	-	-	-	-	-	-	-	-	-	ND(0.1)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	0.005	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	1.66	0.716	-	-	-	-	-	-	-	-	-	-	-	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	mg/L	0.08	0.08	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.0005)	0.00021 J	0.00025 J
Cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene	mg/L	NC	NC	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	-	-	-	-	-
Ethylbenzene	mg/L	0.7	0.7	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	10	10	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.003)	ND(0.001)	ND(0.001)	ND(0.001)
Semivolatile Organic Compounds																	
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons																	
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.037 J

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*
Sample Name:				*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-104*	*GW-051299-JH-101*	*GW-062706-JH-013*	*GW-062706-JH-012*	*GW-091207-NT-014*
Sample Date:				*7/1/1989*	*10/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*	*5/1/1992*	*11/1/1992*	*6/1/1993*	*11/1/1993*	*6/23/1994*	*5/12/1999*	*6/27/2006*	*6/27/2006*	*9/12/2007*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*														*Duplicate*		
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*															
Metals																		
Arsenic	mg/L	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	2.04	0.312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	0.508	0.0779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	30.5	4.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides																		
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																		
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:			*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*
Sample Name:			*GW-120507-JH-019*	*GW-031208-JH-025*	*GW-062508-JH-021*	*WG-121211-DF-003*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*
Sample Date:			*12/5/2007*	*3/12/2008*	*6/25/2008*	*12/12/2011*	*10/1/1988*	*6/1/1989*	*7/1/1989*	*11/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*												
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*											
Volatile Organic Compounds														
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-	-	-
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.005)	-	-	-	-	-	-
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon disulfide	mg/L	1.66	0.716	ND(0.001)	0.0009 J	ND(0.001)	ND(0.001)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	0.08	0.08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.00022 J	0.00023 J	ND(0.0005)	ND(0.001)	-	-	-	-	-	-	-
Cyclohexane	mg/L	NC	NC	-	-	-	0.0003 J	-	-	-	-	-	-	-
Dichloroethene	mg/L	NC	NC	-	-	-	-	0.019	-	ND(0.005)	0.015	0.026	0.012	0.011	ND(0.005)
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Methyl cyclohexane	mg/L	NC	NC	-	-	-	0.00068 J	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)UJ	ND(0.001)	ND(0.005)	-	-	-	-	-	-	-
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	-	-	-	-	-	-	-
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	-	-	-	-	-	-	-
Xylenes (total)	mg/L	10	10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Semivolatile Organic Compounds														
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	ND(0.0022)	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	ND(0.0054)	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	ND(0.00022)	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	ND(0.0011)	-	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	ND(0.0022)	-	-	-	-	-	-	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	ND(0.0011)	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	ND(0.0022)	-	-	-	-	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	ND(0.00022)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons														
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	ND(0.53)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	ND(0.1)	ND(0.1)	0.034 J	ND(0.1)	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-104*	*MW-104*	*MW-104*	*MW-104*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*
Sample Name:				*GW-120507-JH-019*	*GW-031208-JH-025*	*GW-062508-JH-021*	*WG-121211-DF-003*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*
Sample Date:				*12/5/2007*	*3/12/2008*	*6/25/2008*	*12/12/2011*	*10/1/1988*	*6/1/1989*	*7/1/1989*	*11/1/1989*	*5/1/1990*	*11/1/1990*	*5/1/1991*	*11/1/1991*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*													
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*												
Metals															
Arsenic	mg/L	0.01	0.01	-	-	-	-	0.002	-	-	-	-	-	-	-
Barium	mg/L	2	2	-	-	-	-	0.235	-	-	-	-	-	-	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	ND(0.001)	-	-	-	-	-	-	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	0.006[ab]	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	0.005	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	0.005	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	0.024[ab]	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	0.0005	-	-	-	-	-	-	-
Nickel	mg/L	2.04	0.312	-	-	-	-	0.044	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	ND(0.001)	-	-	-	-	-	-	-
Silver	mg/L	0.508	0.0779	-	-	-	-	0.002	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	0.025	-	-	-	-	-	-	-
Zinc	mg/L	30.5	4.67	-	-	-	-	0.019	-	-	-	-	-	-	-
Pesticides															
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry															
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*
Sample Name:				*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*GW-051299-JH-100*	*GW-122004-DS-003*	*GW-062706-JH-010*	*GW-062706-JH-009*	*GW-091207-NT-013*	*GW-120507-JH-018*
Sample Date:				*5/1/1992*	*11/1/1992*	*6/1/1993*	*11/1/1993*	*6/22/1994*	*5/12/1999*	*12/20/2004*	*6/27/2006*	*6/27/2006*	*9/12/2007*	*12/5/2007*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*									*Duplicate*			
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*											
		a	*b*											
Volatile Organic Compounds														
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	-	0.015	ND(0.001)	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	-	-	-	-	-	ND(0.02)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	-	-	-	-	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	45.5	11.5	-	-	-	-	-	ND(0.1)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	0.005	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	1.66	0.716	-	-	-	-	-	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	mg/L	0.08	0.08	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	-	-	-	-	-	ND(0.001)	0.0063	0.0049	0.0049	0.0031	0.0037
Cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene	mg/L	NC	NC	0.018	0.009	0.009	ND(0.005)	-	-	-	-	-	-	-
Ethylbenzene	mg/L	0.7	0.7	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl cyclohexane	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	0.005	0.005	-	-	-	-	-	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	0.005	0.005	-	-	-	-	-	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.00063 J	0.00035 J
Toluene	mg/L	1	1	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	-	-	-	-	-	ND(0.001)	ND(0.001)	0.00043 J	0.00058 J	0.0013	0.00075 J
Vinyl chloride	mg/L	0.002	0.002	-	-	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	10	10	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.003)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Semivolatile Organic Compounds														
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	0.00055 J	-	-	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	-	0.001 J	-	-	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	ND(0.01)	-	-	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	ND(0.01)	-	-	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	0.00053 J	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	-	0.0023 J	-	-	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	ND(0.01)	-	-	-	-
Total Petroleum Hydrocarbons														
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	-	-	-	-	-	-	-	-	-	0.031 J	ND(0.1)

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*
Sample Name:				*MW-105*	*MW-105*	*MW-105*	*MW-105*	*MW-105*	*GW-051299-JH-100*	*GW-122004-DS-003*	*GW-062706-JH-010*	*GW-062706-JH-009*	*GW-091207-NT-013*	*GW-120507-JH-018*
Sample Date:				*5/1/1992*	*11/1/1992*	*6/1/1993*	*11/1/1993*	*6/22/1994*	*5/12/1999*	*12/20/2004*	*6/27/2006*	*6/27/2006*	*9/12/2007*	*12/5/2007*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*									*Duplicate*			
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*											
Metals														
Arsenic	mg/L	0.01	0.01	-	-	-	-	-	-	0.0062 J	-	-	-	-
Barium	mg/L	2	2	-	-	-	-	-	-	0.24	-	-	-	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	-	-	ND(0.0050)	-	-	-	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	-	-	ND(0.0050)	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	172	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	169	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	-	-	ND(0.010)	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	0.0034 J	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	-	-	ND(0.025)	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	10.4	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	-	-	ND(0.0030)	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	43.1	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	42.3	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	1.5[ab]	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	1.5[ab]	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	-	-	ND(0.00020)	-	-	-	-
Nickel	mg/L	2.04	0.312	-	-	-	-	-	-	0.0052 J	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	10.2 J	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	-	-	0.0076	-	-	-	-
Silver	mg/L	0.508	0.0779	-	-	-	-	-	-	ND(0.010)	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	71.8	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	-	-	ND(0.010)	-	-	-	-
Zinc	mg/L	30.5	4.67	-	-	-	-	-	-	ND(0.020)	-	-	-	-
Pesticides														
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-	-
General Chemistry														
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	65000	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	0.032 J	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	-	-	110000	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	1	-	-	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:			*MW-105*	*MW-105*	*MW-105*	*MW-115A*	*MW-115A*	*MW-115A*	*MW-115A*	*MW-115A*	*TMW-157*	*TMW-157*
Sample Name:			*GW-031208-JH-026*	*GW-062508-JH-022*	*WG-121211-DF-005*	*GW-051399-JH-104*	*GW-091207-NT-019*	*GW-031208-JH-019*	*GW-062508-JH-015*	*WG-121211-KH-002*	*GW-042612-JH-05*	*GW-050912-NL-05*
Sample Date:			*3/12/2008*	*6/25/2008*	*12/12/2011*	*5/13/1999*	*9/12/2007*	*3/12/2008*	*6/25/2008*	*12/12/2011*	*4/26/2012*	*5/9/2012*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*										
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*									
Volatile Organic Compounds												
1,2-Dichloroethene (total)	mg/L	NC	NC	-	-	-	ND(0.001)	-	-	-	-	0.00014 J	0.00028 J
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	4.17	1.02	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.00044 J	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.00054 J
Acetone	mg/L	45.5	11.5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.1)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.0045 J
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	1.66	0.716	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)
Chloroform (Trichloromethane)	mg/L	0.08	0.08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	0.0038	0.0012	0.00043 J	ND(0.001)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.001)	ND(0.001)	0.00028 J
Cyclohexane	mg/L	NC	NC	-	-	ND(0.001)	-	-	-	-	ND(0.001)	-	-
Dichloroethene	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)UJ	ND(0.001)	ND(0.001)	0.0019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl cyclohexane	mg/L	NC	NC	-	-	ND(0.001)	-	-	-	-	ND(0.001)	-	-
Methylene chloride	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	-	ND(0.01)	ND(0.01)
Tetrachloroethene	mg/L	0.005	0.005	0.00032 J	0.0013 J	0.00034 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)UJ	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	1	1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.016	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	0.0007 J	0.00053 J	0.0009 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.002	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	10	10	ND(0.001)	ND(0.001)UJ	ND(0.002)	ND(0.003)	0.016	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.003)	ND(0.003)
Semivolatile Organic Compounds													
2,4-Dimethylphenol	mg/L	1.86	0.292	-	-	-	-	-	-	-	ND(0.0019)	-	-
2,6-Dinitrotoluene	mg/L	0.1	0.0154	-	-	-	-	-	-	-	ND(0.0048)	-	-
2-Methylnaphthalene	mg/L	0.0346	0.0167	-	-	-	-	-	-	-	ND(0.00019)	-	-
2-Methylphenol	mg/L	4.78	0.744	-	-	-	-	-	-	-	ND(0.00095)	-	-
3&4-Methylphenol	mg/L	NC	NC	-	-	-	-	-	-	-	ND(0.0019)	-	-
Acetophenone	mg/L	0.926	0.494	-	-	-	-	-	-	-	ND(0.00095)	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.006	0.006	-	-	-	-	-	-	-	ND(0.0019)	-	-
Naphthalene	mg/L	0.00211	0.00111	-	-	-	-	-	-	-	ND(0.00019)	-	-
Total Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	ND(0.48)	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	ND(0.1)	ND(0.1)	-	-	0.13	ND(0.1)	ND(0.1)	ND(0.1)	-	-

TABLE A.8

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
MW-103 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*MW-105*	*MW-105*	*MW-105*	*MW-115A*	*MW-115A*	*MW-115A*	*MW-115A*	*MW-115A*	*TMW-157*	*TMW-157*
Sample Name:				*GW-031208-JH-026*	*GW-062508-JH-022*	*WG-121211-DF-005*	*GW-051399-JH-104*	*GW-091207-NT-019*	*GW-031208-JH-019*	*GW-062508-JH-015*	*WG-121211-KH-002*	*GW-042612-JH-05*	*GW-050912-NL-05*
Sample Date:				*3/12/2008*	*6/25/2008*	*12/12/2011*	*5/13/1999*	*9/12/2007*	*3/12/2008*	*6/25/2008*	*12/12/2011*	*4/26/2012*	*5/9/2012*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*											
	Units	*Non-Residential Groundwater Pathway*	*Residential Groundwater Pathway*										
Metals													
Arsenic	mg/L	0.01	0.01	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	2	2	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	0.004	0.004	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.005	0.005	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	0.1	0.1	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	0.0306	0.00468	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	1.3	1.3	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.015	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002	0.002	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	2.04	0.312	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.05	0.05	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	0.508	0.0779	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	30.5	4.67	-	-	-	-	-	-	-	-	-	-
Pesticides													
Aldrin	mg/L	0.000166	0.0000495	-	-	-	-	-	-	-	-	-	-
General Chemistry													
Aerobic BTEX specific microbial population	cfu/mL	NC	NC	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-
Total heterotropic bacteria	cfu/mL	NC	NC	-	-	-	-	NC	-	-	-	-	-
Total organic carbon (TOC)	mg/L	NC	NC	-	-	-	-	-	-	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
Boxed values exceed criteria.
mg/L - milligrams per liter
cfu/mL - colony forming units per milliliters
Risk Based Standards for Kansas, RSK Manual- 5th Version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE A.9

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
TMW-130 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-130*	*SB-130A*	*SB-130A*	*SB-300*	*SB-301*	*SB-301*	*SB-302*	*SB-303*	*SB-304*	*SB-B3-A*	*SB-B3-A*	*SB-B5-A*	*SB-B5-A*	*SB-D4-A*
Sample Name:						*SB-130 5-7.5'*	*S11806KGSB130A5-7.5*	*DUP-2*	*S-092809-JH-001*	*S-092809-JH-002*	*S-092809-JH-003*	*S-092809-JH-004*	*S-092809-JH-005*	*S-092909-JH-006*	*S-092909-JH-021*	*S-092909-JH-022*	*S-092909-JH-023*	*S-092909-JH-024*	*S-092909-JH-017*
Sample Date:						*11/3/2006*	*11/8/2006*	*11/8/2006*	*9/28/2009*	*9/28/2009*	*9/28/2009*	*9/28/2009*	*9/28/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*
Depth:		*KDHE Tier 2 Risk-Based Criteria*				*(5-7.5) ft BGS*	*(5-7.5) ft BGS*	*(5-7.5) ft BGS*	*(18-20) ft BGS*	*(9-11) ft BGS*	*(17-19) ft BGS*	*(17-19) ft BGS*	*(17-19) ft BGS*	*(17-19) ft BGS*	*(1-3) ft BGS*	*(13-15) ft BGS*	*(1-3) ft BGS*	*(13-15) ft BGS*	*(1-3) ft BGS*
Sample Type:		*Non-Residential*		*Residential*				*Duplicate*											
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*														
Volatile Organic Compounds																			
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	-	ND(6.5)	ND(13)	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)	0.0037 J	ND(32)	ND(0.012)	ND(0.011)	ND(1.1)
Acetone	mg/kg	406000	204	50300	51.6	-	ND(6.5)	ND(13)	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)	0.015	ND(32)	ND(0.012)	ND(0.011)	ND(1.1)
Benzene	mg/kg	28.2	0.168	15.9	0.168	-	ND(1.6)	ND(3.1)	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)	ND(0.011)	ND(32)	ND(0.012)	ND(0.011)	ND(1.1)
Ethylbenzene	mg/kg	145	65.6	82	65.6	-	ND(1.6)	0.26 J	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)	ND(0.011)	5.5 J	ND(0.012)	ND(0.011)	0.31 J
Methylene chloride	mg/kg	267	0.0429	149	0.0429	-	ND(1.6)	ND(3.1)	0.0051 J	0.0028 J	0.0038 J	0.0033 J	0.0054 J	0.0048 J	0.0047 J	25 J[BCA]	0.0061 J	0.0015 J	0.68 J[BCA]
Toluene	mg/kg	29800	51.2	4320	51.2	-	ND(1.6)	ND(3.1)	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)	ND(0.011)	ND(32)	0.00039 J	ND(0.011)	ND(1.1)
Xylenes (total)	mg/kg	1410	809	936	809	-	0.11 J	1.1 J	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)	ND(0.011)	43	ND(0.012)	ND(0.011)	0.15 J
Semivolatile Organic Compounds																			
2-Methylnaphthalene	mg/kg	1280	17.3	209	8.34	270[BCA]	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	221000	8180	18000	3770	5.3 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/kg	579	15.8	58.2	7.59	7.8 J[a]	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	25900	626	2360	297	12 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	64.7	0.659	30.5	0.349	39 J[BCA]	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	NC	NC	NC	NC	41 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	mg/kg	26400	11900	1830	2190	7.2 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons																			
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/kg	20000	7830	2000	5440	-	-	-	ND(12)	ND(10)	ND(11)	ND(10)	ND(12)	ND(10)	6.7 J	64000[BCA]	ND(12)	ND(12)	8900[BCA]
Total Petroleum Hydrocarbons - Purgeable (GRO)	mg/kg	450	79.3	220	79.3	-	-	-	ND(0.11)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.13)	ND(0.11)	ND(0.12)	720[BCA]	ND(6)	ND(6)	78 J
Metals																			
Aluminum	mg/kg	NC	NC	NC	NC	6680	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	38	NC	11.3	NC	5.2 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/kg	277000	NC	15300	NC	216	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/kg	3650	NC	155	NC	0.35 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/kg	965	NC	39	NC	0.31 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/kg	NC	NC	NC	NC	15200	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/kg	111	NC	33.6	NC	10.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/kg	579	NC	23.4	NC	6.1 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	81700	NC	3130	NC	16.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/kg	NC	NC	NC	NC	12400	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	1000	NC	400	NC	9.6 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/kg	NC	NC	NC	NC	5960	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/kg	66200	NC	9300	NC	258	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/kg	20	NC	2	NC	0.027 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	32400	NC	1540	NC	16.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/kg	NC	NC	NC	NC	1490	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	NC	NC	NC	NC	17.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	613000	NC	23500	NC	48.9	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																			
Total solids	%	NC	NC	NC	NC	76.7	76.6	78.5	85.7	96.5	94.9	96.0	83.0	96.8	83.0	78.1	83.2	84.0	83.7

TABLE A.9

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
TMW-130 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:						*SB-D4-A*	*SB-E2-A*	*SB-E2-A*	*SB-E4-A*	*SB-E4-A*	*SB-F4-A*	*SB-F4-A*	*SB-F5-A*	*SB-F5-A*	*SB-G2-A*	*SB-G2-A*	*SB-G4-A*	*SB-G4-A*
Sample Name:						*S-092909-JH-018*	*S-092909-JH-019*	*S-092909-JH-020*	*S-092909-JH-015*	*S-092909-JH-016*	*S-092909-JH-011*	*S-092909-JH-012*	*S-092909-JH-013*	*S-092909-JH-014*	*S-092909-JH-009*	*S-092909-JH-010*	*S-092909-JH-007*	*S-092909-JH-008*
Sample Date:						*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*	*9/29/2009*
Depth:	*KDHE Tier 2 Risk-Based Criteria*					*(8-10) ft BGS*	*(1-3) ft BGS*	*(17-19) ft BGS*	*(1-3) ft BGS*	*(17-19) ft BGS*	*(1-3) ft BGS*	*(17-19) ft BGS*	*(1-3) ft BGS*	*(17-19) ft BGS*	*(1-3) ft BGS*	*(17-19) ft BGS*	*(1-3) ft BGS*	*(17-19) ft BGS*
Sample Type:	*Non-Residential*		*Residential*															
	Units	*Soil Pathway a*	*Soil to GW b*	*Soil Pathway c*	*Soil to GW d*													
Volatile Organic Compounds																		
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	101000	57.8	26000	24.2	0.0065 J	ND(0.011)	ND(0.013)	0.007 J	ND(3.7)	ND(0.011)	ND(5.5)	ND(0.011)	0.0024 J	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Acetone	mg/kg	406000	204	50300	51.6	0.036	ND(0.011)	ND(0.013)	0.035	ND(3.7)	ND(0.011)	ND(5.5)	ND(0.011)	0.016	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Benzene	mg/kg	28.2	0.168	15.9	0.168	0.0031 J	ND(0.011)	ND(0.013)	0.00082 J	0.078 J	ND(0.011)	0.12 J	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Ethylbenzene	mg/kg	145	65.6	82	65.6	0.0022 J	ND(0.011)	ND(0.013)	0.0051 J	1.4 J	ND(0.011)	1.3 J	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Methylene chloride	mg/kg	267	0.0429	149	0.0429	0.0079 J	0.0047 J	0.0051 J	0.0065 J	2.4 J[ea]	0.0015 J	3.7 J[ea]	0.0066 J	0.0097 J	0.003 J	0.0042 J	0.0042 J	0.0048 J
Toluene	mg/kg	29800	51.2	4320	51.2	ND(0.013)	0.00032 J	ND(0.013)	ND(0.013)	ND(3.7)	ND(0.011)	ND(5.5)	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Xylenes (total)	mg/kg	1410	809	936	809	ND(0.013)	ND(0.011)	ND(0.013)	0.0037 J	0.18 J	ND(0.011)	0.38 J	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Semivolatile Organic Compounds																		
2-Methylnaphthalene	mg/kg	1280	17.3	209	8.34	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	221000	8180	18000	3770	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/kg	579	15.8	58.2	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	25900	626	2360	297	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	64.7	0.659	30.5	0.349	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	mg/kg	26400	11900	1830	2190	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons																		
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/kg	20000	7830	2000	5440	31	850	ND(11)	54	14000[ea]	6.4 J	12000[ea]	3.7 J	8.7 J	19	ND(10)	15	ND(12)
Total Petroleum Hydrocarbons - Purgeable (GRO)	mg/kg	450	79.3	220	79.3	0.17	ND(0.11)	ND(0.13)	0.085 J	120[ea]	ND(0.12)	76 J	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.11)	ND(0.095)	ND(0.12)
Metals																		
Aluminum	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	38	NC	11.3	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/kg	277000	NC	15300	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/kg	3650	NC	155	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/kg	965	NC	39	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/kg	111	NC	33.6	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/kg	579	NC	23.4	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	81700	NC	3130	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	1000	NC	400	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/kg	66200	NC	9300	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/kg	20	NC	2	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	32400	NC	1540	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	613000	NC	23500	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																		
Total solids	%	NC	NC	NC	NC	79.4	84.3	87.7	80.5	93.4	81.1	96.8	84.0	90.3	80.8	95.7	95.6	86.7

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
mg/kg - milligrams per kilogram
ft BGS - feet below ground surface
Boxed values exceed criteria
Risk Based Standards for Kansas, RSK Manual- 5th version, Kansas Department of Health and Environment, October 2010, Appendix A

TABLE A.10

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
TMW-130 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*TMW-130*	*TMW-130*	*TMW-139*	*TMW-139*	*TMW-140*	*TMW-141*	*TMW-142*	*TMW-143*
Sample Name:				*GW-091307-NT-026*	*GW-042612-JH-08*	*WG-121411-DF-027*	*GW-042612-JH-10*	*GW-042612-JH-02*	*GW-042612-JH-06*	*GW-042612-JH-04*	*GW-093009-JH-029*
Sample Date:				*9/13/2007*	*4/26/2012*	*12/14/2011*	*4/26/2012*	*4/26/2012*	*4/26/2012*	*4/26/2012*	*9/30/2009*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*									*Duplicate*
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*								
Volatile Organic Compounds											
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.14)	-	0.11	-	-	-	-	ND(0.01)
Benzene	mg/L	0.005	0.005	0.0049 J	-	0.045[ab]	-	-	-	-	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.0071)	-	ND(0.01)	-	-	-	-	ND(0.0005)
Cyclohexane	mg/L	NC	NC	-	-	0.0015 J	-	-	-	-	-
Ethylbenzene	mg/L	0.7	0.7	ND(0.014)	-	0.0081 J	-	-	-	-	ND(0.001)
Tetrachloroethene	mg/L	0.005	0.005	ND(0.014)	-	ND(0.01)	-	-	-	-	0.0016
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.0071)	-	ND(0.01)	-	-	-	-	ND(0.0005)
Trichloroethene	mg/L	0.005	0.005	ND(0.014)	-	ND(0.01)	-	-	-	-	ND(0.001)
Semivolatile Organic Compounds											
Total Petroleum Hydrocarbons											
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	-	-	-	-	-	-	-	ND(0.1)
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	0.65[ab]	-	-	-	-	-	-	ND(0.1)

TABLE A.10

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
TMW-130 AREA
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Location Name:				*TMW-143*	*TMW-143*	*TMW-144*	*TMW-144*	*TMW-145*	*TMW-145*	*TMW-146*	*TMW-146*
Sample Name:				*GW-093009-JH-028*	*WG-121411-DF-028*	*GW-093009-JH-025*	*WG-121411-DF-025*	*GW-093009-JH-026*	*WG-121311-DF-020*	*GW-093009-JH-027*	*WG-121411-DF-023*
Sample Date:				*9/30/2009*	*12/14/2011*	*9/30/2009*	*12/14/2011*	*9/30/2009*	*12/13/2011*	*9/30/2009*	*12/14/2011*
Sample Type:		*KDHE Tier 2 Risk-Based Criteria*									
	Units	*Non-Residential Groundwater Pathway* *a*	*Residential Groundwater Pathway* *b*								
Volatile Organic Compounds											
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	4.92	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00015 J
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.0005)	ND(0.001)	0.024	0.0071	ND(0.0005)	ND(0.001)	ND(0.0005)	ND(0.001)
Cyclohexane	mg/L	NC	NC	-	ND(0.001)	-	ND(0.001)	-	ND(0.001)	-	ND(0.001)
Ethylbenzene	mg/L	0.7	0.7	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	0.005	0.005	0.0016	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.0005)	ND(0.001)	0.0013	0.00031 J	ND(0.0005)	ND(0.001)	ND(0.0005)	ND(0.001)
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	0.0051[ab]	0.0005 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Semivolatile Organic Compounds					ND		ND		ND		ND
Total Petroleum Hydrocarbons											
Total Petroleum Hydrocarbons (C10-C20) DRO	mg/L	0.72	0.5	ND(0.1)	ND(0.51)	ND(0.1)	ND(0.53)	ND(0.1)	ND(0.51)	ND(0.1)	0.33
Total Petroleum Hydrocarbons (C6-C10) GRO	mg/L	0.5	0.5	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.12)

Notes:
ND ( ) - Not present at or above the associated value
J - Estimated concentration
UJ - Estimated reporting limit
NC - No Criteria
-- : Not Analyzed
Boxed values exceed criteria.
mg/L - milligrams per liter
cfu/mL - colony forming units per milliliters
Risk Based Standards for Kansas, RSK Manual- 5th Version, Kansas Department of Health and Environment, October 2010, Appendix A

APPENDIX B

MONITORING WELL INSPECTION FORMS

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

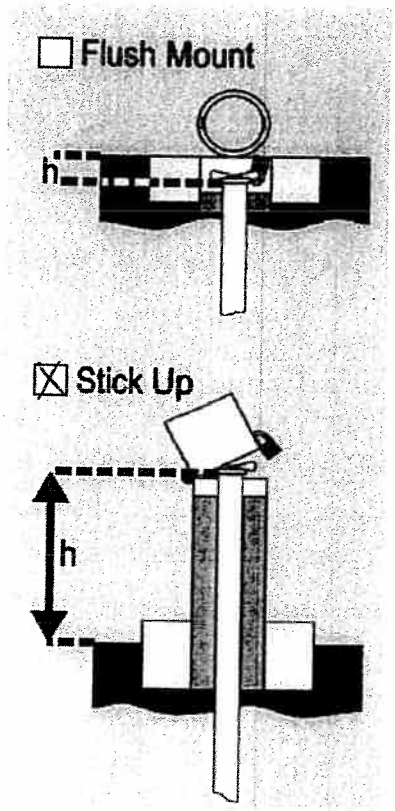
Well ID MW1

Inspector Name and Affiliation Kirk Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☐ Needs well ID re-marked
☐ Needs high visibility paint
☒ Needs paint due to corrosion



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☐ Good
☒ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 32.27
Soft bottom ☐ Yes ☐ No
Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☒ Other ~~Tubing~~
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/14

Well ID MW-1A

Inspector Name and Affiliation Kirk Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

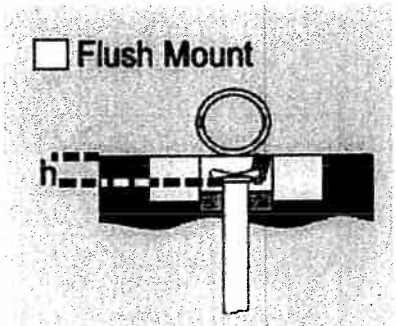
Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

☐ **Flush Mount**

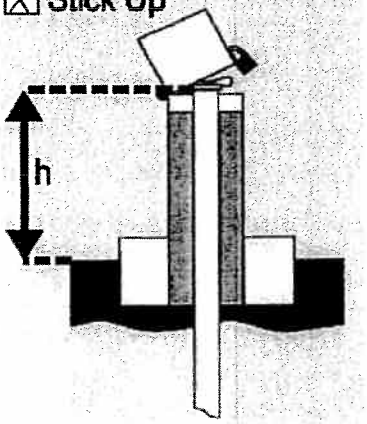


Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☐ Good
☒ Needs repair Not 2'x2'
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☒ **Stick Up**



Depth measurement
Total depth (feet BTOC) 37.32
Soft bottom ☐ Yes ☒ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/14/11

Well ID MW-1B

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

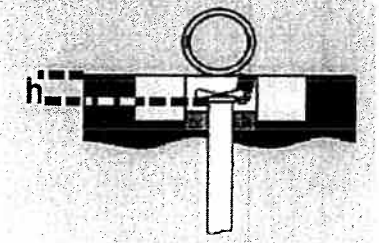
Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

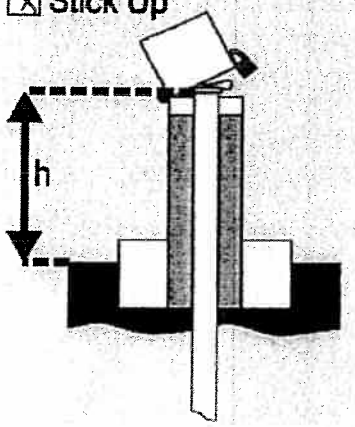
☐ Flush Mount



Concrete pad
☐ None
☐ Good
☒ Needs repair — Not 2'x2'
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☒ Stick Up



Depth measurement
Total depth (feet BTOC): 87.52
Soft bottom ☐ Yes ☐ No
Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC):
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:
Cap broken off

MONITORING WELL INSPECTION CHECKLIST

Date 12/15/11

Well ID MW-1C

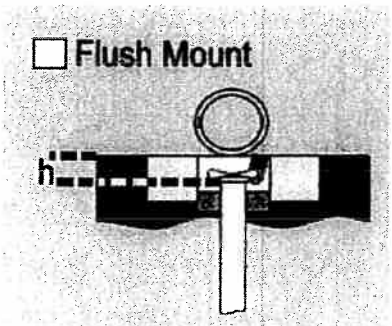
Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

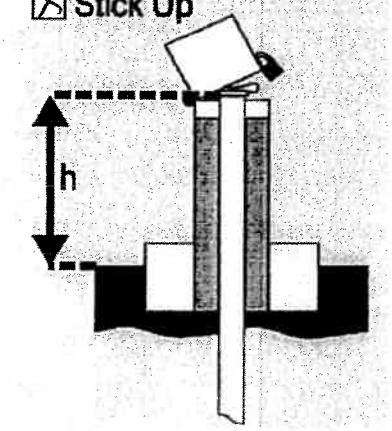
Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

☐ Flush Mount



☒ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☐ Good Not 2'x2'
☒ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 107.45
Soft bottom ☐ Yes ☒ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID MW102A

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

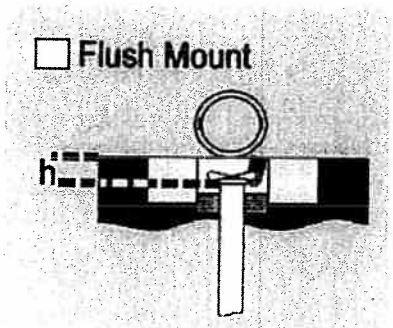
Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

Paint and markings
☐ Needs well ID re-marked
☐ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

☐ **Flush Mount**

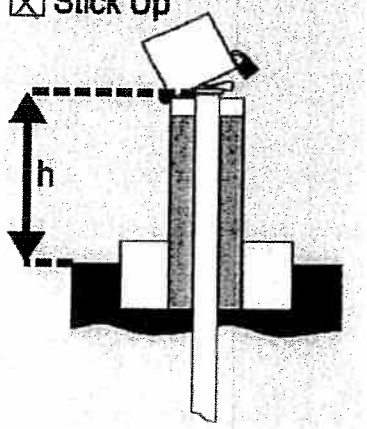


Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☒ Good NOT 2'x2'
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☒ **Stick Up**



Depth measurement
Total depth (feet BTOC) 32.05
Soft bottom ☒ Yes ☐ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/14/11

Well ID 102-B

Inspector Name and Affiliation K. Hoeffner

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

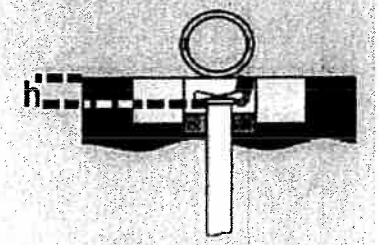
Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

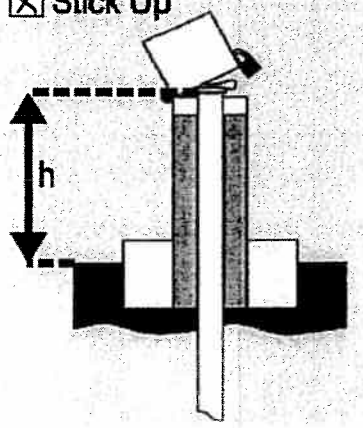
Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

☐ Flush Mount



☒ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☐ Good Not 2'x2' as required
☒ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 63.71
Soft bottom ☐ Yes ☐ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____ Not present, but likely in well*
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:
* Obstruction at approx. 5' below TOC will not allow pump to pass - assume 3/8" Tubing slid down since it was not present as in other wells

MONITORING WELL INSPECTION CHECKLIST

Date 12/14/11

Well ID 102C

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

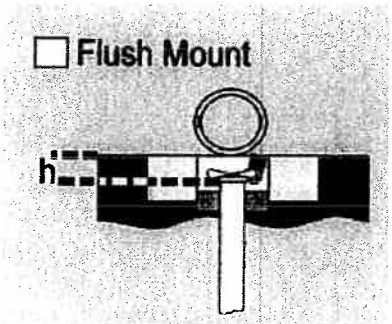
Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

☐ Flush Mount

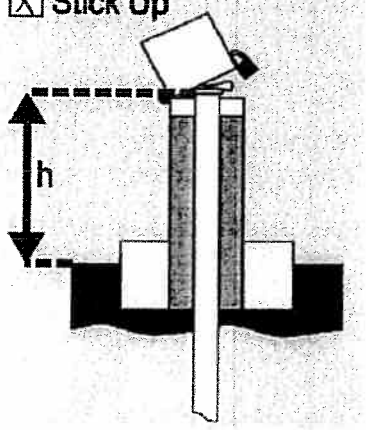


Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☐ Good
☒ Needs repair Not 2'x2' as req.
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☒ Stick Up



Depth measurement
Total depth (feet BTOC) 97.06

Soft bottom ☐ Yes ☒ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:
hinge broken

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID 103A

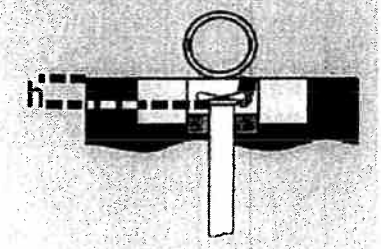
Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

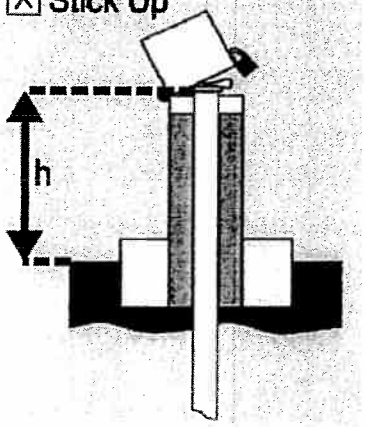
Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed broken

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

☐ Flush Mount



☒ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☐ PVC
☒ Stainless steel
☐ Black steel

Casing diameter
☐ 2-inch
☒ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☒ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/14/11

Well ID 103B

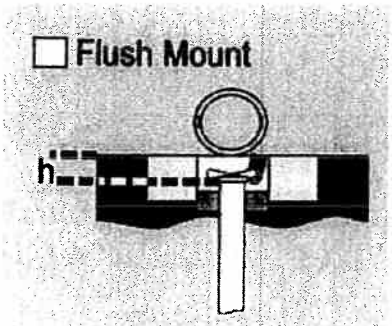
Inspector Name and Affiliation K. Haeffner

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

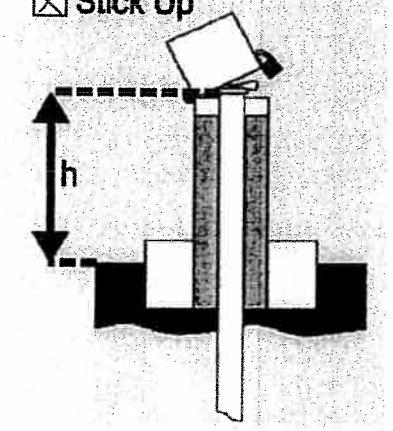
Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

☐ Flush Mount



☒ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☒ None Gravel around well
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
~~☒ PVC~~
☒ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 62.75

Soft bottom ☐ Yes ☐ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/14/11

Well ID 103-C

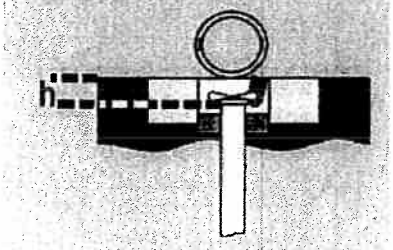
Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

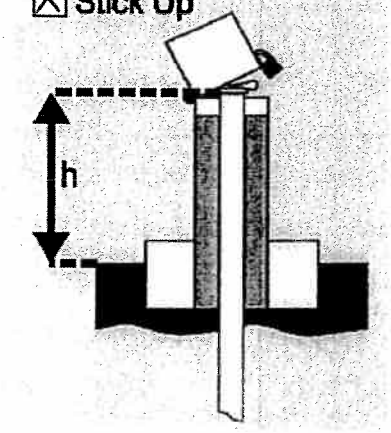
Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

☐ Flush Mount



☒ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☒ None Gravel around well
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☐ PVC
☒ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 102.75
Soft bottom ☐ Yes ☒ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID 109

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☐ Good Cap will not close
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

Paint and markings
☐ Needs well ID re-marked
☐ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☐ PVC
☒ Stainless steel
☐ Black steel

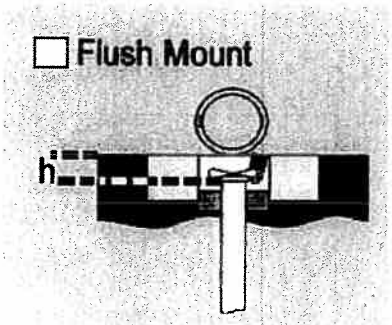
Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

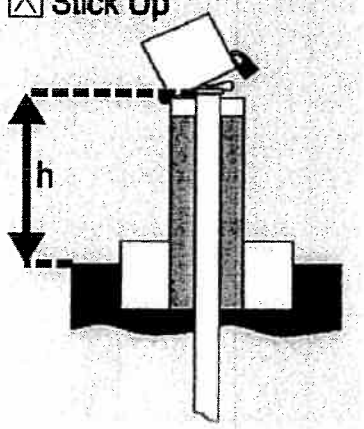
Concrete pad
☐ None
☒ Good - Not 2'x2'
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☒ Stick Up



Depth measurement
Total depth (feet BTOC) 30.20

Soft bottom ☐ Yes ☐ No

Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☒ Other Tubing
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

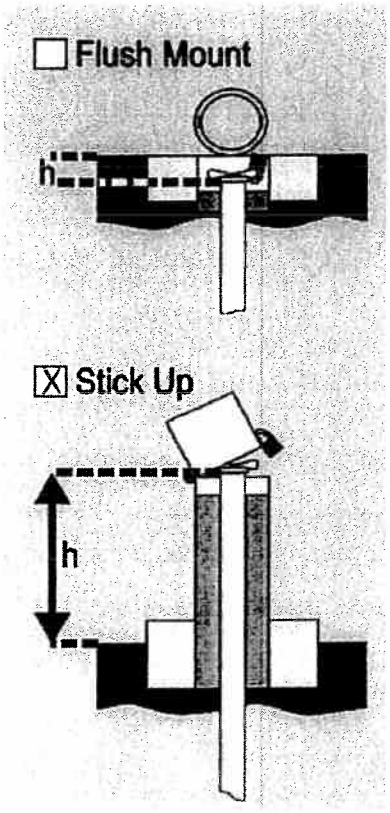
Well ID 105

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☒ Needs paint due to corrosion



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☒ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☐ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☐ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 30.81

Soft bottom ☐ Yes ☒ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID 108

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed broken off

Paint and markings
☐ Needs well ID re-marked
☐ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

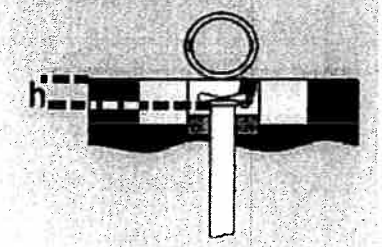
Casing diameter
☐ 2-inch
☐ 4-inch
☐ _____-inch

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

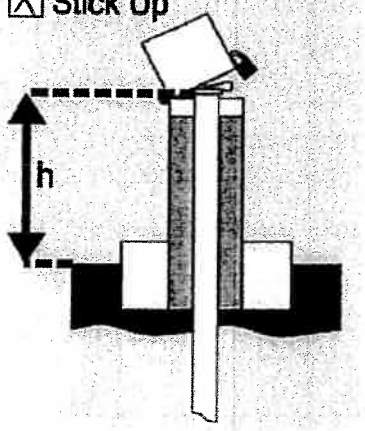
Concrete pad
☐ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☒ Stick Up



Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☐ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☒ ~~Other~~ _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID MW109

Inspector Name and Affiliation K. Hoeffner - CRA

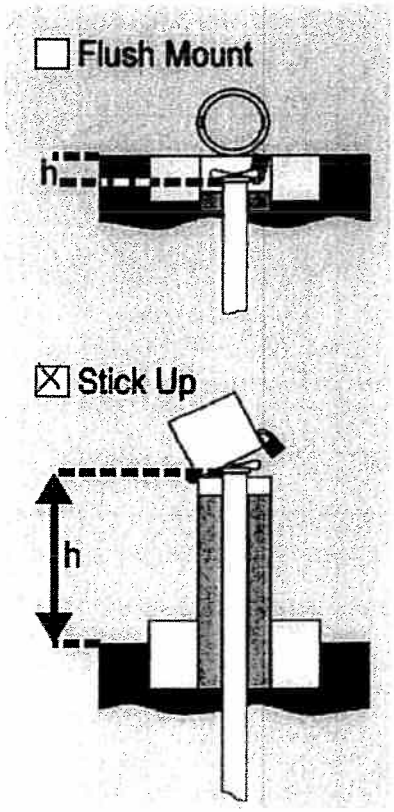
Well Location
Location correct as shown on site maps ☐ Yes ☐ No
Readily accessible ☐ Yes ☐ No
Located in a dry area ☐ Yes ☐ No

Lock and cap condition
☐ Good slip cap only & dip.
☐ New lock needed
☒ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☐ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☒ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 32.65
Soft bottom ☐ Yes ☒ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☒ Other Tubing
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID MW110

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☐ Yes ☒ No wooded area
Located in a dry area
☒ Yes ☐ No

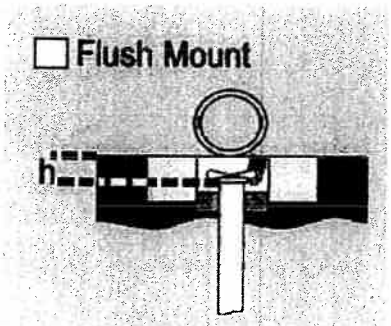
Lock and cap condition
☐ Good slip cap only
☐ New lock needed
☒ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☐ Needs well ID re-marked
☐ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☐ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

☐ Flush Mount

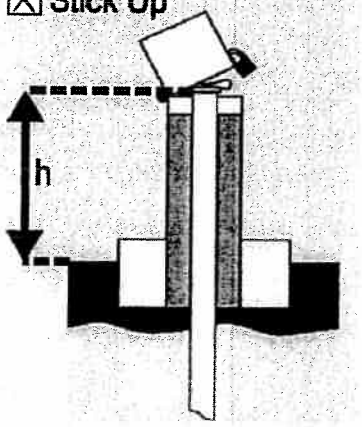


Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☐ Good
☒ Needs repair Cracked
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☒ Stick Up



Depth measurement
Total depth (feet BTOC) 63.30
Soft bottom ☐ Yes ☒ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☒ Other Tubing
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID 110A

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed broken Lid

Paint and markings
☐ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

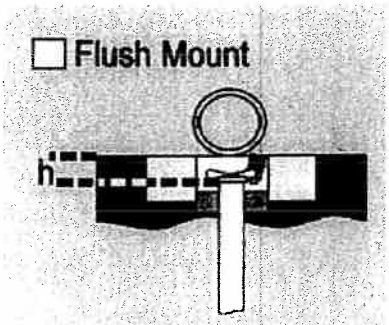
Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

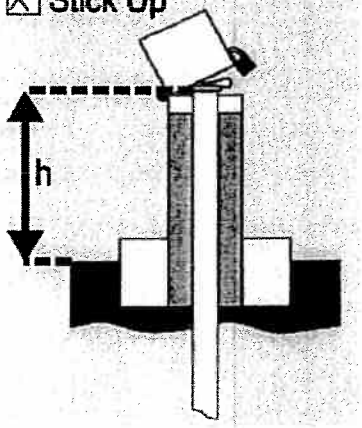
Concrete pad
☐ None
☒ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☒ Stick Up



Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☒ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID MW-111

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☐ Yes ☒ No Wooded
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☐ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

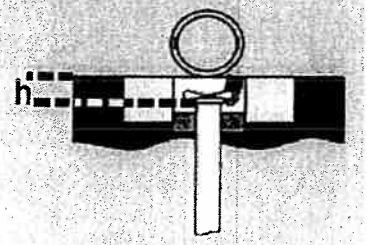
Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

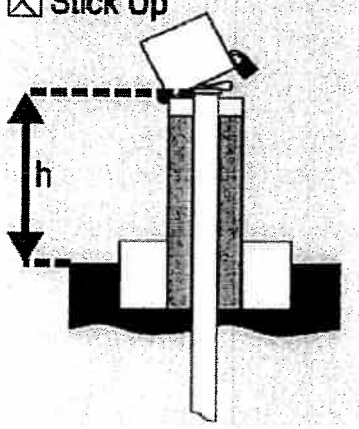
Concrete pad
☐ None
☒ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☒ Stick Up



Depth measurement
Total depth (feet BTOC) 61.66
Soft bottom ☒ Yes ☐ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☒ ~~Other~~ _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID MW-115A

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed

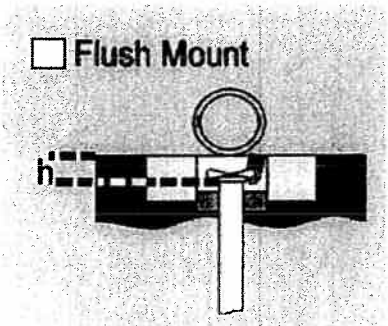
Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

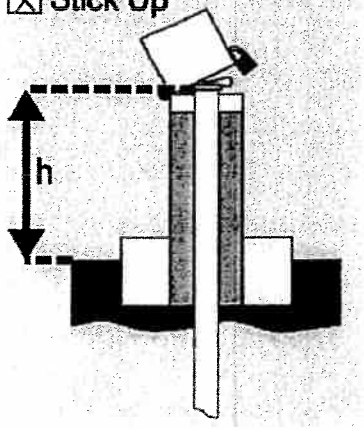
☐ Flush Mount



Concrete pad
☐ None
☒ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☒ Stick Up



Depth measurement
Total depth (feet BTOC) 28.88

Soft bottom ☐ Yes ☐ No

Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☒ ~~Other~~ _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID MW-117A

Inspector Name and Affiliation K. Hoeffner

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good* But bolts wont thread in.
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☐ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

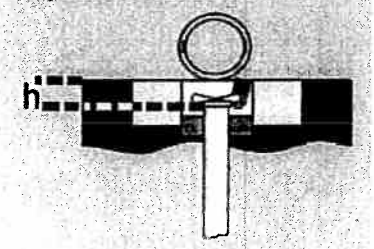
Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

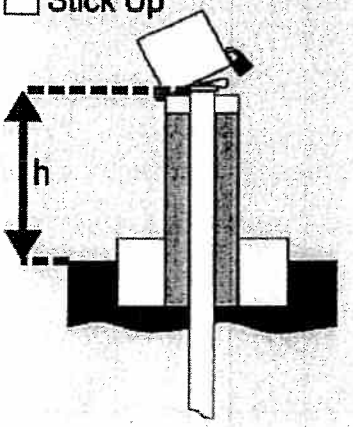
Concrete pad
☐ None
☒ Good Asphalt around cement
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ■ Yes ☐ No
Lid gasket intact ☒ Yes ☐ No

☒ Flush Mount



☐ Stick Up



Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☒ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☒ ~~Other~~ _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:
Need To replace or Tap bolts to allow Tightening of lid.

MONITORING WELL INSPECTION CHECKLIST

Date 12/15/11

Well ID MW - 117B

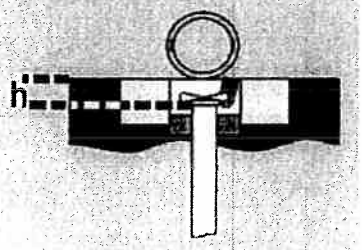
Inspector Name and Affiliation K. Hoeffner

Well Location
Location correct as shown on site maps
☐ Yes ☐ No
Readily accessible
☐ Yes ☐ No
Located in a dry area
☐ Yes ☐ No

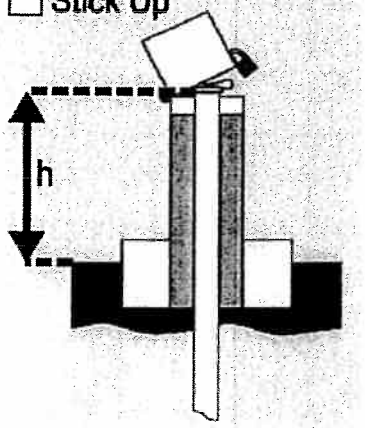
Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☐ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

☒ Flush Mount



☐ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☐ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☐ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☐ No

Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID MW18A

Inspector Name and Affiliation K. Hoeffner

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

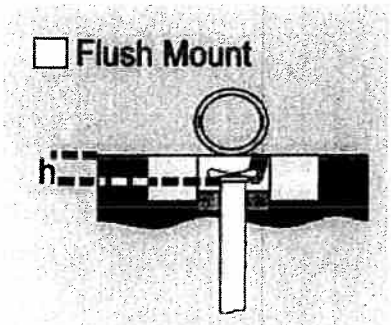
Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Casing material
☐ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

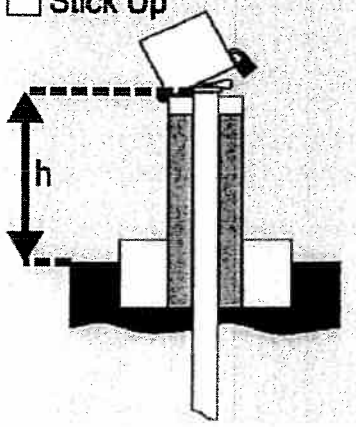
☐ Flush Mount



Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Stick Up



Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☐ No

Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment

Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/15/11

Well ID 118 B

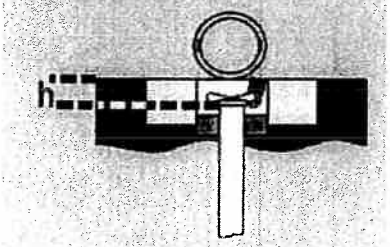
Inspector Name and Affiliation K. Hoeffner

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

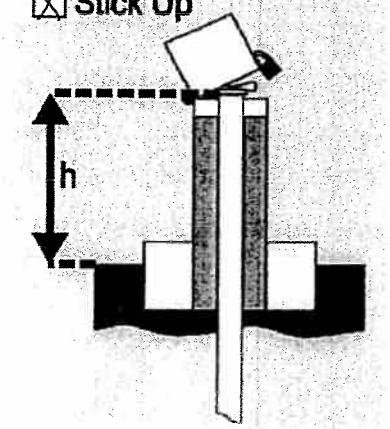
Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☐ Needs paint due to corrosion

☐ Flush Mount



☒ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 60.92

Soft bottom ☐ Yes ☐ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/12/11

Well ID TMW-123

Inspector Name and Affiliation K. Hoeffner

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☐ Yes ☒ No wooded
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

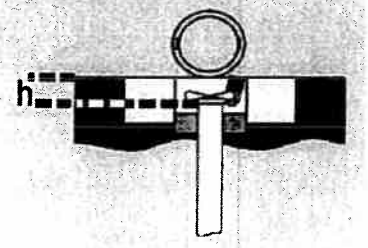
Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

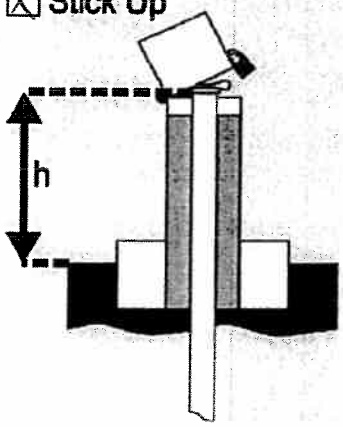
Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☒ Stick Up



Depth measurement
Total depth (feet BTOC) 36.81
Soft bottom ☐ Yes ☐ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/9/11

Well ID MW124A

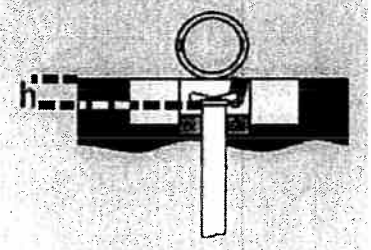
Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

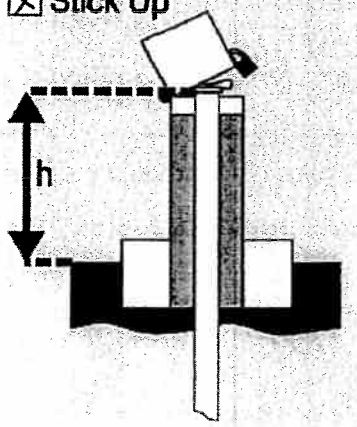
Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

☐ Flush Mount



☒ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☒ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 37.11

Soft bottom ☐ Yes ☐ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☒ ~~Other~~ _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/14/11

Well ID MW-124B

Inspector Name and Affiliation Kirk Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☒ Needs high visibility paint
☒ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

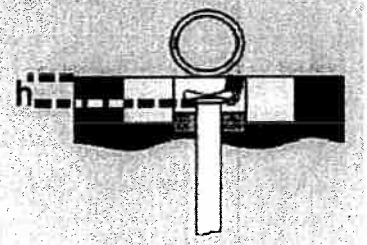
Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

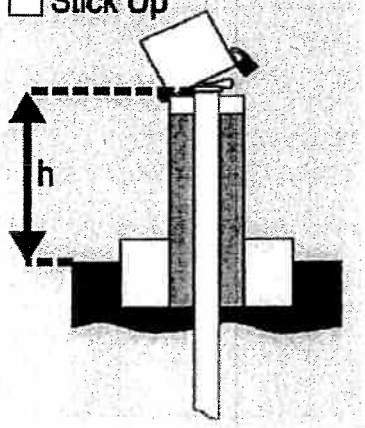
Concrete pad
☐ None
☐ Good Not 2'x2'
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☐ Stick Up



Depth measurement
Total depth (feet BTOC) 62.15'

Soft bottom ☐ Yes ☐ No

Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/9/11

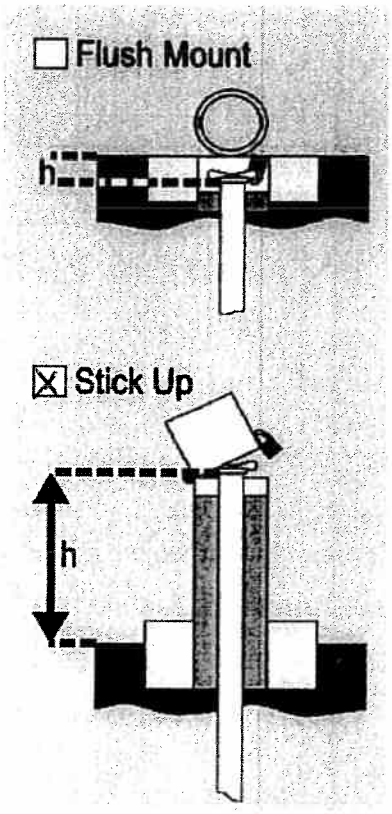
Well ID 125

Inspector Name and Affiliation K. Hoeffner

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☐ Needs well ID re-marked
☐ Needs high visibility paint
☒ Needs paint due to corrosion



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☒ Good Not 2'x2'
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 37.10

Soft bottom ☐ Yes ☒ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☒ Other Tubing
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☒ ~~Other~~ 3/8"
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID TMW-127

Inspector Name and Affiliation K. Hoeffner

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

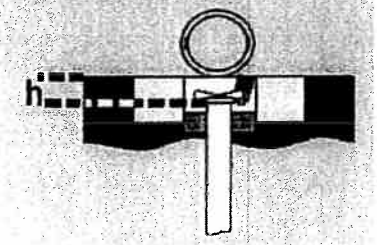
Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

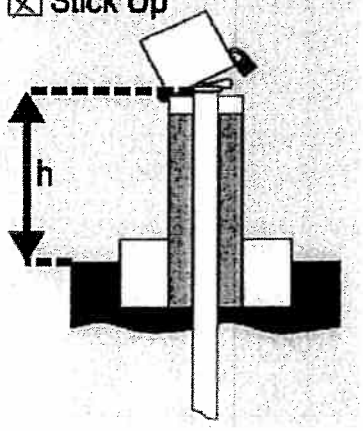
Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☒ Stick Up



Depth measurement
Total depth (feet BTOC) 36.72
Soft bottom ☒ Yes ☐ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☒ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/9/11

Well ID TMW-130

Inspector Name and Affiliation K. Hoeffner

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

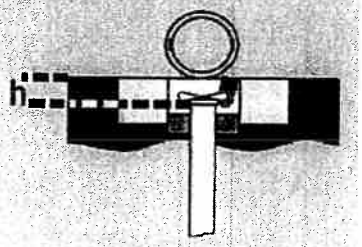
Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

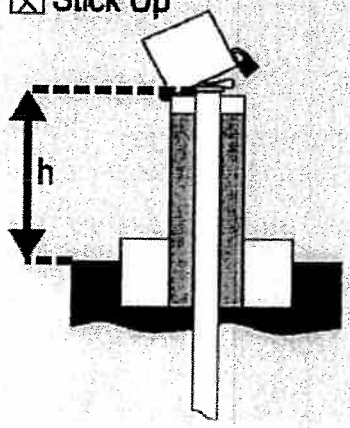
Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☒ Stick Up



Depth measurement
Total depth (feet BTOC) NA - Product
Soft bottom ☐ Yes ☐ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:
Free Product

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID TMW - 139

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

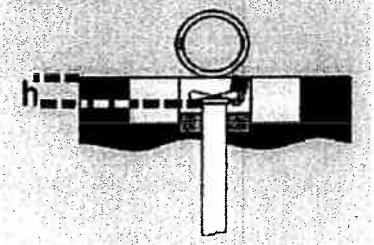
Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

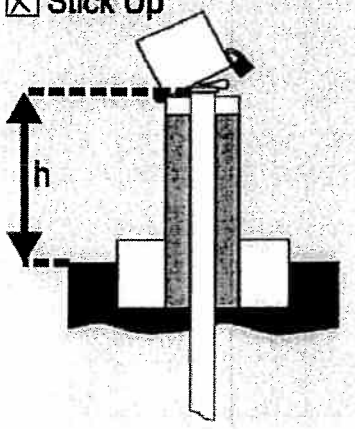
Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☒ Stick Up



Depth measurement
Total depth (feet BTOC) 32.30

Soft bottom ☐ Yes ☒ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID TM-140

Inspector Name and Affiliation K. Hoeffner – CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good *
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

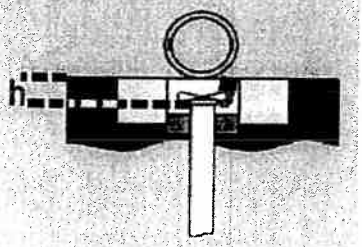
Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

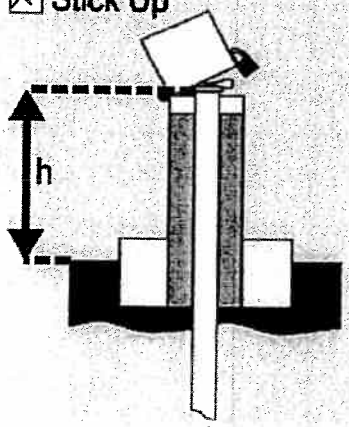
Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☒ Stick Up



Depth measurement
Total depth (feet BTOC) NA- Product
Soft bottom ☐ Yes ☐ No
Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape
Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)
Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement
Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:
J-Plug was off &
Well Cap was also
open.
Free Prod. present

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID TMW-141

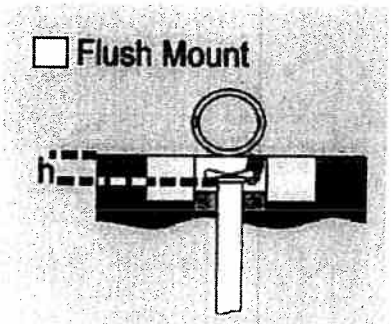
Inspector Name and Affiliation K. Haeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

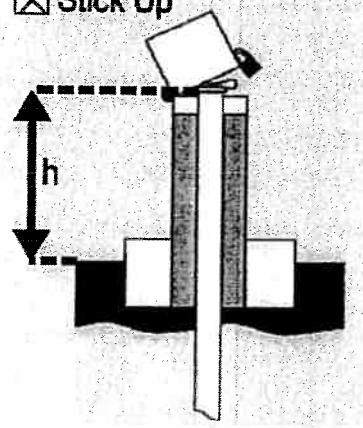
Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

☐ Flush Mount



☒ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☒ No

Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID TMW-14Z

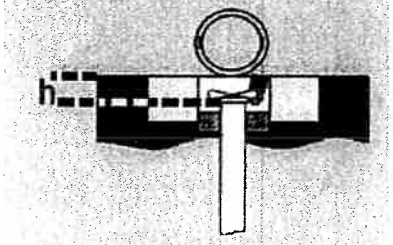
Inspector Name and Affiliation K. Hueffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

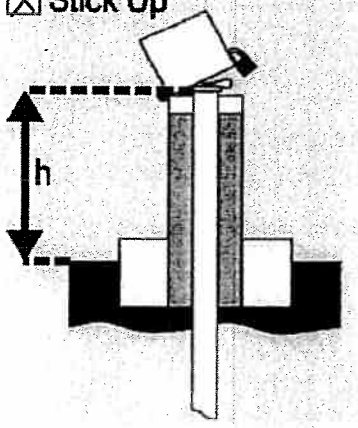
Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

☐ Flush Mount



☒ Stick Up



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☐ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC) 32.33

Soft bottom ☐ Yes ☐ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID TMW-143

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

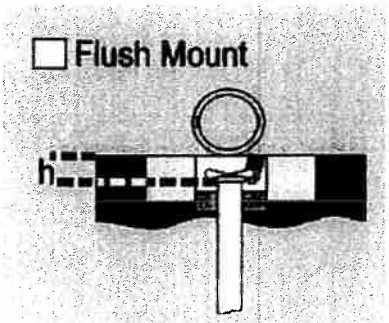
Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

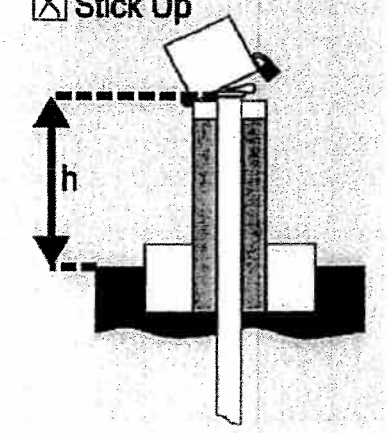
Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

☐ Flush Mount



☒ Stick Up



Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☒ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment

Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☒ ~~Other~~ _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID TMW-144

Inspector Name and Affiliation K. Hueffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

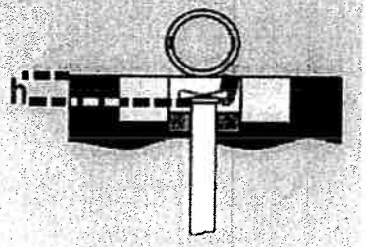
Lock and cap condition
☒ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

☐ Flush Mount

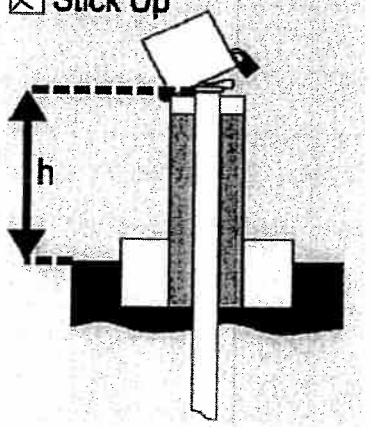


Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☒ Stick Up



Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☒ No

Casing joints
☒ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☒ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

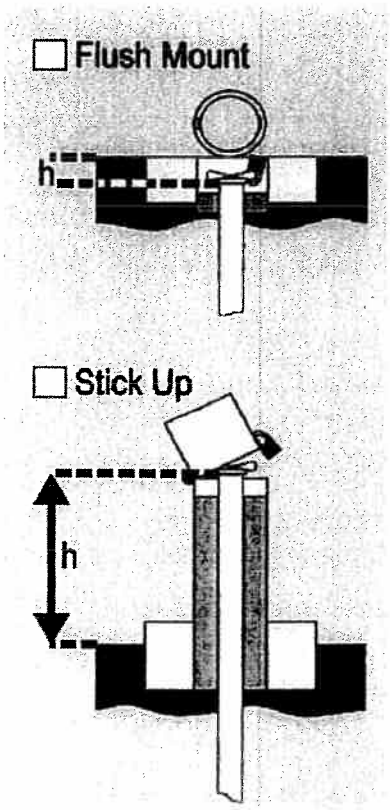
Well ID TMW-145

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☐ Cap/hinge repair needed

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion



Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

Concrete pad
☐ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Casing material
☐ PVC
☐ Stainless steel
☐ Black steel

Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☐ No

Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☐ Yes ☐ No

Notes: TOC is approx. 1' below protective cover.

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

MONITORING WELL INSPECTION CHECKLIST

Date 12/8/11

Well ID TMW-146

Inspector Name and Affiliation K. Hoeffner - CRA

Well Location
Location correct as shown on site maps
☒ Yes ☐ No
Readily accessible
☒ Yes ☐ No
Located in a dry area
☒ Yes ☐ No

Lock and cap condition
☐ Good
☐ New lock needed
☐ New expansion cap needed
☒ Cap/hinge repair needed*

Paint and markings
☒ Needs well ID re-marked
☐ Needs high visibility paint
☐ Needs paint due to corrosion

Casing material
☒ PVC
☐ Stainless steel
☐ Black steel

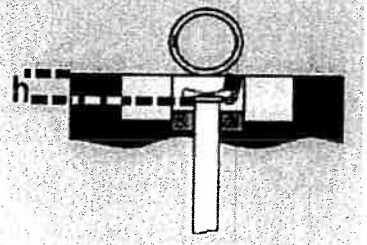
Casing diameter
☒ 2-inch
☐ 4-inch
☐ _____-inch

Surface completion annulus
☐ Filled with bentonite/sand/gravel
☐ Dry
☐ Weep holes clear

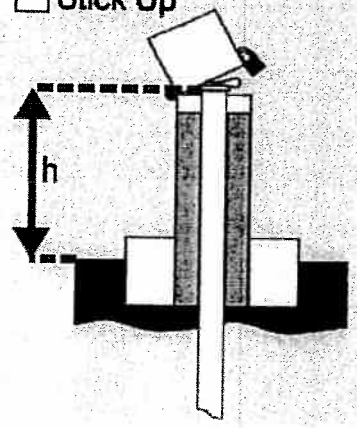
Concrete pad
☒ None
☐ Good
☐ Needs repair
☐ Frost heave (may affect top of casing)
☐ Bollards/bumper posts need repair

Flush-Mounted Wells
Lid secure with bolts ☐ Yes ☐ No
Lid gasket intact ☐ Yes ☐ No

☐ Flush Mount



☐ Stick Up



Depth measurement
Total depth (feet BTOC)

Soft bottom ☐ Yes ☐ No

Casing joints
☐ Smooth
☐ Snags water level tape
☐ Impassible with water level tape

Casing free of kinks or bends
☐ Yes ☐ No

Dedicated well equipment
Dedicated pump
Pump type ☐ Bladder ☐ Impeller ☐ Other _____
Depth to pump inlet (feet BTOC)

Pump condition
☐ Good
☐ Stuck in well
☐ Needs repair
☐ Needs replacement

Dedicated tubing (inside diameter)
Water line ☐ 1/4-inch ☒ 3/8-inch ☒ Other _____
Air line ☐ 1/4-inch ☐ 3/8-inch ☐ Other _____

Notes:
* Casing too high - lid can't close

APPENDIX C

MONITORING WELL PURGING PARAMETERS – DECEMBER 2011

MONITORING WELL RECORD FOR LOW-FLOW PURGING

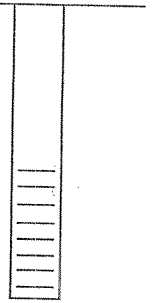
Project Data:

Project Name: Fairfax 1 - GM
Ref. No.: 012559
Date: 12/13/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-1
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 32.27
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.64



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
11:25	100mL	19.64	—	14.62	0.887	14.8	2.76	6.68	73.0	0.5	
11:30	"	"	—	15.40	1.018	8.11	1.54	6.69	63.5	1.0	
11:35	"	"	—	15.92	1.067	4.93	1.10	6.69	69.5	1.5	
11:40	"	"	—	16.23	1.089	9.32	1.00	6.70	71.2	2.0	
11:45	"	"	—	16.34	1.095	9.10	0.96	6.69	73.2	2.5	

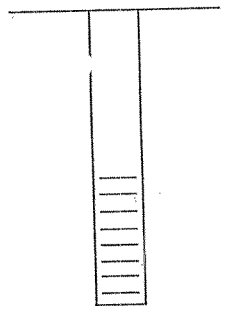
Notes: Collected WG-121311-KH-016 @ 11:47

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: GM - Fairfax 1
Ref. No.: 017559
Date: 12/13/11
Personnel: K. Hoeffner



Monitoring Well Data:

Well No.: MW-1A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 37.32
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.77

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
14:35	100 mL	19.77	—	12.32	0.989	62.8	19.50	6.73	-71.4	.5L	
14:40	"	"	—	12.53	0.979	44.4	1.09	6.66	-13.7	1L	
14:45	"	"	—	12.70	0.977	37.5	0.58	6.68	-17.5	1.5L	
15:15	"	"	—	10.63	0.934	35.0	0.43	6.67	-35.3	2.0L	
15:20	"	"	—	11.07	0.950	31.7	0.25	6.67	-36.9	2.5L	
15:25	"	"	—	11.69	0.955	28.5	0.20	6.67	-38.2	3.0L	
15:30	"	"	—	10.27	0.940	28.2	0.29	6.67	-39.4	3.5L	
15:35	"	"	—	10.38	0.930	28.5	0.25	6.67	-41.2	4.0L	

Notes: Notes: Turbidity Meter stopped working @ 14:45 - switched to Lamont 2020e rental: could not get NTUs below 10 - collected WG-121311-KH-021 @ 15:40

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

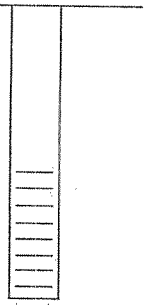
MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: GM- Fairfax
Ref. No.:
Date: 12/14/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-1B
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 27.52
Depth of Sediment (m/ft):
Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.25



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
15:25	100mL	19.26	.01	14.70	0.778	356	2.55	7.28	-106.1	.5L	
15:30	100mL	19.26	.01	14.88	0.827	273	0.40	7.18	-113.2	1L	
15:35	100mL	19.26	.01	14.75	0.829	88.7	0.16	7.19	-117.5	1.5L	
15:40	100mL	19.26	.01	14.70	0.828	66.3	0.12	7.17	-122.5	2.0L	
15:45	100mL	19.26	.01	14.77	0.829	50.9	0.14	7.18	-119.1	2.5L	
15:50	100mL	19.26	.01	14.78	0.830	39.5	0.11	7.17	-117.0	3.0L	
15:55	100mL	19.26	.01	14.79	0.830	40.1	0.09	7.17	-114.1	3.5L	
16:00	100mL	19.26	.01	14.82	0.831	37.6	0.10	7.17	-111.3	4.0L	
16:05	100mL	19.26	.01	14.81	0.832	33.7	0.10	7.18	-116.7	4.5L	
16:10	100mL	19.26	.01	14.78	0.831	31.1	0.09	7.18	-118.9	5.0L	

Notes: Collected WG-~~1412H~~ 12/14/11 -KH-031 @ 16:15

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

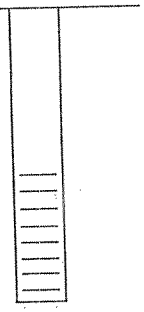
Project Name: GM- Fairfax
Ref. No.: 012559

Date: 12/15/11
Personnel: K. Heffner

Monitoring Well Data:

Well No.: MW-01C
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 109.45
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 20.05



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required[5]:	±3 %	±0.005 or 0.01[5]	±10 %	±10 %	±0.1 Units	±10 mV		
14:00	200 mL	20.07	.02	13.66	0.389	32.7	12.05	8.74	-124.8	1.0	
14:05	200mL	20.07	.02	13.42	0.349	21.8	0.66	8.76	-124.9	2.0	
14:10	200 mL	20.07	.02	13.04	0.378	24.8	0.32	8.74	-123.3	3.0	
14:15	200 mL	20.06	.01	13.98	0.420	25.6	0.21	7.97	-109.9	4.0	
14:20	200 mL	20.06	.01	14.15	0.747	39.6	0.20	7.27	-90.7	5.0	
14:25	200 mL	20.06	.01	14.16	0.768	25.2	0.18	7.22	-102.4	6.0	
14:30	200 mL	20.06	.01	14.13	0.770	18.10	0.14	7.18	-106.4	7.0	
14:35	200 mL	20.06	.01	13.74	0.767	15.3	0.11	7.19	-108.7	8.0	
14:40	200 mL	20.06	.01	14.38	0.774	11.0	0.09	7.35	-113.7	9.0	
14:45	200 mL	20.06	.01	14.17	0.774	9.18	0.08	7.29	-118.1	10.0	

Notes: Collected WG-121511-KH-035 @ 14:47

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

WG-12121-DF-001

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

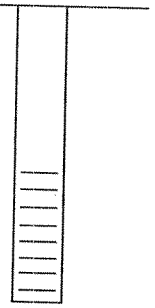
Project Name: Fairfax 1
Ref. No.: 12-359

Date: 12/12/11
Personnel: TDF @ 1030

Monitoring Well Data:

Well No.: MW-102A
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft): 29.3
Measured Well Depth (m/ft): N.M
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 23.36



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
0945	350	23.44	0.08	10.34	1410	34.9	3.2	6.36	61.2		
0950	↓	23.44	0.08	13.25	1384	36.5	1.48	6.50	32.7		
0955		23.44	0.08	13.61	1376	27.0	1.37	6.56	32.9		
1000		23.44	0.08	13.82	1358	14.5	1.33	6.55	30.5		
1005		23.44	0.08	13.95	1347	9.54	1.24	6.49	29.4		
1010		23.44	0.08	14.01	~~13.42~~ 1342	8.91	1.17	6.58	29.1		
1015	↓	23.44	0.08	14.03	1340	8.90	1.18	6.58	29.1		

Begin purge @ ~~0935~~ 0930

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

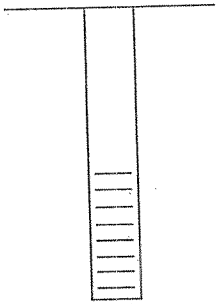
Project Name: GM - Fairfax
Ref. No.: 012559

Date: 12/14/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-107C
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 97.06
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 23.90



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required[5]:	±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
10:25	100mL	23.97	.07	14.32	0.694	9.35	10.70	5.59	630	500mL	
10:30	100 mL	23.95	.05	14.25	0.630	19.20	~~15.60~~	6.39	658.8	1L	
10:35	100 mL	23.94	.04	14.31	0.675	25.50	1.23	7.26	-99.1	1.5L	
10:40	100 mL	23.93	.03	14.36	0.698	9.10	0.77	6.48	669.8	2.0L	
10:45	100 mL	23.93	.03	14.39	0.704	6.24	0.43	7.23	-95.5	2.5L	
10:50	100mL	23.95	.05	14.37	0.705	2.81	0.22	7.23	-101.9	3.0L	
10:55	100mL	23.95	.05	14.35	0.705	2.96	0.16	7.23	-102.6	3.5L	

Collected WG-121411-KH-026 @ 10:56

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Sample of MW-103A = WG-121311-DF-013

replicate of MW-103A = WG-121311-DF-014

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Fairfax 1

Ref. No.: 12559

Date: 12/13/11

Personnel: TDF

@ 1045

Monitoring Well Data:

Well No.: ~~TOC~~ MW-103A

Vapour PID (ppm):

Measurement Point: TOC

Constructed Well Depth (m/ft): 29.6

Measured Well Depth (m/ft): NM

Depth of Sediment (m/ft):

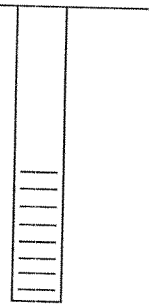
Saturated Screen Length (m/ft):

Depth to Pump Intake (m/ft)[1]:

Well Diameter, D (cm/in): 4"

Well Screen Volume, V_s (L)[2]:

Initial Depth to Water (m/ft): 22.22



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
0940	250	22.42	0.20	12.08	4059	NM	1.51	6.55	-19.3		
0945	150	22.33	0.11	11.44	4033	23.8	1.15	6.70	-74.4		
0950	200	22.36	0.14	11.91	4100	23.4	1.23	6.72	-79.1		
0955	200	22.37	0.15	12.34	4139	21.6	1.36	6.74	-79.7		
1000	200	22.42	0.20	12.42	4120	26.7	1.48	6.75	-79.7		
1005	200	22.38	0.16	12.60	41.21	24.7	1.34	6.75	-80.6		
1010	200	22.37	0.15	12.80	4133	24.7	1.24	6.75	-81.4		
1015	200	22.46	0.24	12.98	4134	23.9	1.21	6.75	-82.4		
1020	200	22.46	0.24	13.16	4138	22.5	1.19	6.75	-84.0		
1025	200	22.47	0.25	13.26	~~4139~~ 4131	20.1	1.06	6.75	-85.1		
1030	200	22.47	0.25	13.29	4105	19.4	0.99	6.75	-87.2		
1035	200	22.47	0.25	13.30	4092	18.4	0.95	6.76	-88.8		
1040	200	22.47	0.25	13.41	4087	17.6	0.94	6.76	-92.1		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

#8

Begin purge @ 0935

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

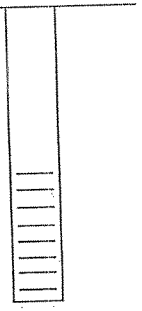
Project Name: GM- Fairfax
Ref. No.: 012559

Date: 12/14/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-103B
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 62.75
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 20.81



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required[5]:	±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
12:10	100 mL	20.83	.02	14.44	0.839	off scale	5.95	7.14	-83.5	.5L	
12:15	100 mL	20.82	.01	14.36	0.887	11	0.73	7.21	-101.3	1L	
12:20	100 mL	20.82	.01	14.51	0.901	319	0.37	7.19	-113.7	1.5L	
12:25	100 mL	20.81	—	14.57	0.901	230	0.25	7.19	-118.2	2.0L	
12:30	100 mL	20.82	.01	14.41	0.437	off-scale	10.29	7.40	-107.7	2.5L	
12:35	100 mL	20.82	.01	14.54	0.894	482	2.17	7.19	-105.4	3.0L	
12:40	100 mL	20.82	.01	14.54	0.894	114	0.70	7.20	-106.7	3.5L	
12:45	100 mL	20.83	.02	14.54	0.894	76.2	0.64	7.20	-107.5	4.0L	
12:50	100 mL	20.83	.02	14.65	0.900	33.6	0.37	7.19	-109.8	4.5L	
12:55	100 mL	20.83	.02	14.60	0.901	15.5	0.19	6.54	-106.4	5.0L	
13:00	100 mL	20.83	.02	14.66	0.904	9.94	0.16	7.19	-106.6	5.5L	

Notes: First reading, Sample was black, collected WG-121411-KH-02[illegible] @ 13:02

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

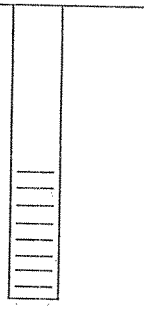
Project Name: GM - Fairfax
Ref. No.: 012559

Date: 12/14/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-103C
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 102.75
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 20.40



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
13:40	100 mL	20.40	—	14.64	0.593	30.5	9.40	8.94	-201.0	.5 L	
13:45	100 mL	20.40	—	14.54	0.585	18.5	1.92	7.63	-165.3	1 L	
13:50	100 mL	20.40	—	14.58	0.603	12.8	0.95	7.26	-88.1	1.5 L	
13:55	100 mL	20.40	—	14.57	0.603	12.0	0.79	7.25	-87.7	2.0 L	
14:00	100 mL	20.40	—	14.59	0.604	12.5	0.81	7.24	-85.6	2.5 L	
14:05	100 mL	20.40	—	14.63	0.604	15.8	0.23	7.25	-98.1	3.0 L	
14:10	100 mL	20.40	—	14.57	0.604	8.46	0.15	7.26	-93.9	3.5 L	
14:15	100 mL	20.40	—	14.54	0.604	9.30	0.14	7.26	-95.9	4.0 L	

Notes: Collected WG-121411-KH-030 @ 14:17

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

WG-121211-DF-003

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

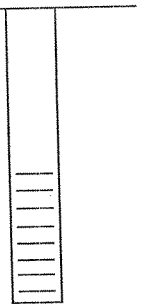
Project Name: Fairfax 1
Ref. No.: 12559

Date: 12 12 11
Personnel: TDF @ 1210

Monitoring Well Data:

Well No.: # MW-104
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft): 28.4
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 20.97



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
1120	250	20.91	0.02	12.80	1088	27.9	2.60	6.70	-94.5		
1125	↓	21.00	0.03	13.69	1288	32.8	2.21	6.83	-110.7		
1130		21.01	0.04	14.00	1336	37.2	1.53	6.85	-114.9		
1135		21.01	0.04	14.40	1371	49.7	1.59	6.85	-115.6		
1140		21.01	0.04	14.44	~~13.03~~ 1365	48.8	1.62	6.83	-116.3		
1145		21.01	0.04	14.39	1337	33.4	1.75	6.84	-117.6		
1150		21.01	0.04	14.44	13.21	22.2	1.80	6.84	-120.2		
1155		21.01	0.04	14.42	1312	22.2	1.48	6.84	-121.5		
1200		21.01	0.04	14.39	1303	11.8	1.32	6.85	-119.9		
1205		21.01	0.04	14.34	12.96	8.64	1.23	6.85	-124.9		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge @ ~~1056~~ 1056
1113

WQ-121211-DF-005

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

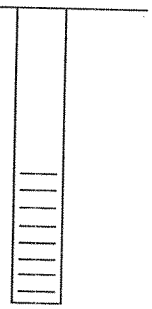
Project Name: Fairfax 1
Ref. No.: 12559

Date: 12-12-11
Personnel: TDF
@ ~~1230~~ 1330

Monitoring Well Data:

Well No.: MW-105
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft): 30.2
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 21.15



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
		Precision Required[5]:		±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
~~1305~~	200	21.15	0.00	14.71	1344	0.64	1.64	6.50	28.8		
1310 ~~1310~~		21.15		14.99	1327	0.74	1.02	6.57	-3.3		
1315 ~~1315~~		21.15		15.05	1344	0.27	0.85	6.58	-12.5		
1320 ~~1320~~		21.15		14.99	1352	0.12	0.84	6.58	-14.9		
1325 ~~1325~~				14.99	1356	0.00	0.88	6.58	-16.3		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge @ 1257

WG-121211-DF-007

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

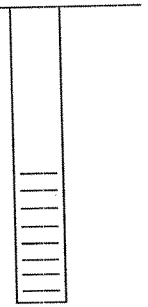
Project Name: ~~Fairfax~~ Fairfax 1
Ref. No.: 12559

Date: 12/12/11
Personnel: TDF
@ 1430

Monitoring Well Data:

Well No.: MW-108
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft): 28.5
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2" ~~PVC~~
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): @ 21.36



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
1400	250	21.36	0.00	11.66	310	NM	10.34	6.80	41.1		
1405		21.36	0.00	13.60	807	0.59	3.43	6.46	45.0		
1410		21.36	0.00	14.11	918	NM	2.46	6.54	39.4		
1415		21.36	0.00	14.19	949	0.67	2.30	6.55	38.0		
1420		21.36	0.00	14.15	957	0.51	2.15	6.55	37.9		
1425	↓	21.36	0.00	14.14	959	0.56	2.10	6.55	37.8		

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge TDF 1358

MONITORING WELL RECORD FOR LOW-FLOW PURGING

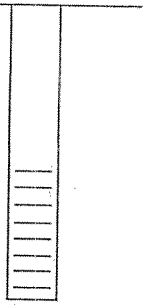
Project Data:

Project Name: GM - Fairfax 1
Ref. No.:
Date: 12/13/11
Personnel: K. Hoettner

Monitoring Well Data:

Well No.: MW-109
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 32.65
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.60



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
9:35	100mL	19.61	.01	12.01	.617	12.2	9.06	6.85	47.6	.5L	
9:40	11	19.61	.01	12.98	.812	11.7	2.56	6.73	102.5	1L	
9:45	11	19.61	.01	13.40	.824	6.95	6.38	6.74	108.5	1.5L	
9:50	11	19.62	.02	13.25	.821	4.56	2.85	6.74	93.1	2.0	
9:55	11	19.62	.02	13.28	.822	7.54	3.10	6.75	91.7	2.5	

Notes: Flow thru cell was leaking at gasket until 9:50; Collected WG-121311-KH-012 @ 10:00

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

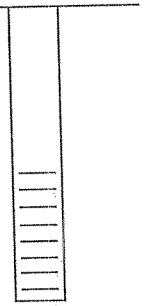
Project Name: GM- Fairfax
Ref. No.: 012559

Date: 12/12/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-110
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 63.30
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.54



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
15:55	250mL	19.55	0.01	13.55	.960	40.9	2.34	7.05	-79.1	0.5	
16:00	200mL	19.55	0.01	13.77	1.037	15.9	0.56	7.04	-70.6	1.0 gal	
16:05	200mL	19.55	0.01	13.89	1.047	6.85	0.56	7.05	-75.5	1.5 gal	
16:10	200mL	19.55	0.01	13.94	1.050	5.87	0.25	7.05	-80.3	2.0 gal	
16:15	200mL	19.55	0.01	13.94	1.039	4.86	0.23	7.05	-82.3	2.5 gal	

Notes: Collected WG-121211-KH-008 @ 16:18

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

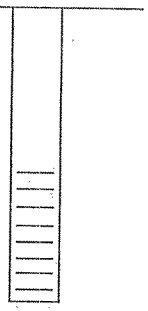
Project Data:

Project Name: GM - Fairfax 1
Ref. No.:
Date: 12/13/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-110A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 36.53
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 16.68



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[5]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
13:35	100mL	16.68	—	13.41	1.002	27.0	20.03	6.68	76.7	0.5	
13:40	"	16.68	—	14.63	1.079	18.7	2.50	6.67	83.8	1.0	
13:45	"	"	—	14.59	1.093	14.7	2.07	6.76	87.5	1.5	
13:50	"	"	—	14.61	1.096	13.1	1.98	6.66	94.3	2.0	
13:55	"	"	—	14.56	1.099	12.7	1.83	6.70	91.0	2.5	
14:00	"	"	—	14.47	1.107	9.49	1.83	6.69	91.9	3.0	

Notes: Collected WG-121311-KH-019 @ 14:05

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

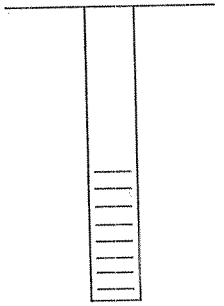
Project Name: GM - Fairfax
Ref. No.: 012559

Date: 12/12/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-111
Vapour PID (ppm):
Measurement Point: T.O.C.
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 61.66
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.34



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
12:55	400mL	19.36	~~19.36~~ 0.02	14.62	.821	11.6	.83	6.99	-60.8	1.0 gal	
13:00	100mL	19.36	~~19.~~ 0.02	14.28	.816	7.68	.54	6.99	-81.5	2.0 gal.	
13:05	100mL	19.37	0.38	14.42	.818	33.7	.35	6.99	-85.0	2.5 gal.	
13:10	100mL	19.37	0.30	14.26	.815	142	.27	6.98	-87.4	3.0 gal	
13:15	100mL	19.37	0.30	14.42	.818	162	.23	6.98	-90.0	3.5 gal	
13:20	100mL	19.37	0.30	14.40	.817	67.3	.23	6.98	-94.7	4.0 gal	
13:30	100mL	19.37	0.30	14.48	.818	58.6	.57	6.99	-92.0	4.5 gal	
13:35	100mL	19.38	0.04	14.69	.826	16.6	.43	6.98	-89.9	5.0 gal	
13:40	100mL	19.38	0.04	14.62	.825	8.77	.35	6.98	-87.3	5.5 gal	

Notes: Collected NG-121211-KH-004 @ 13:44

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

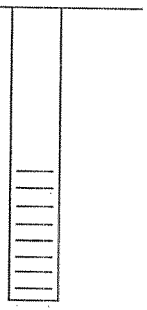
Project Data:

Project Name: D12559 - Gm Fair Fax
Ref. No.:
Date: 12/12/11
Personnel: K. Hoefner

Monitoring Well Data:

Well No.: MW-115A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 28.88
Depth of Sediment (m/ft): NA

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 22.63



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
10:20	250 mL	23.94		16.56			2.19	6.74	141	1 L	
10:25	"	22.85		15.52		670	0.71	6.72	96.9	1.5 L	
10:32	"	22.88		15.24		386	0.43	6.70	91.3	2.0 L	
10:40	"	22.90		15.16		156	0.31	6.71	96.7	2.5 L	
10:45	"	22.91		15.17		105	0.26	6.70	99.6	3.0 L	
10:50	"	22.92		15.15		91.6	0.18	6.70	95.6		

Notes: Collected WG-121211 + KH-002 @ 10:55

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

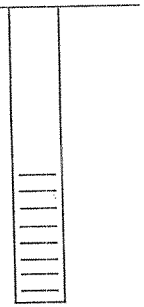
Project Data:

Project Name: GM - Fairfax 1
Ref. No.: 012559
Date: 12/13/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-117A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 29.08
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 17.30



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
10:35	100 mL	17.31	.01	15.13	0.888	15.10	3.60	6.66	43.5	0.5	
10:40	100 mL	17.31	.01	16.35	0.959	4.49	2.12	6.66	43.4	1.0	
10:45	100 mL	17.31	.01	16.07	0.963	3.63	1.93	6.67	46.0	1.5	

Notes: Collected WG-121311-KH-015 @ 10:50

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

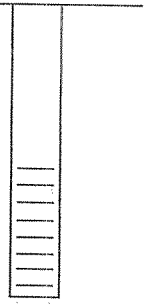
Project Name: GM - Fairfax 1
Ref. No.: 012559

Date: 12/15/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-117B
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 17.42



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
9:10	100mL	17.43	.01	16.20	0.837	off scale	.53	6.84	-76.1	0.5L	
9:15	100 mL	17.43	.01	16.48	0.845	651	1.01	6.94	-76.8	1.0L	
9:20	100 mL	17.43	.01	16.63	0.852	320	0.32	6.95	-82.4	1.5L	
9:25	100 mL	17.43	.01	16.61	0.860	227	0.21	6.92	-90.8	2.0L	
9:30	100 mL	17.43	.01	16.24	0.865	92.4	0.18	6.92	-92.0	2.5L	
9:35	100 mL	17.43	.01	16.36	0.868	109	0.16	6.91	-91.9	3.0L	
9:40	100 mL	17.43	.01	16.31	0.869	83.5	0.17	6.91	-95.9	3.5L	
9:45	100 mL	17.43	.01	16.46	0.868	76.6	0.13	6.95	-96.2	4.0L	
9:50	100 mL	17.42	—	16.00	0.867	66.3	0.15	6.92	-105.4	4.5L	
9:55	100 mL	17.42	—	16.47	0.873	60.0	0.12	6.92	-96.3	5.0L	
10:00	100 mL	17.42	—	16.90	0.890	43.4	0.10	6.91	-98.2	5.5L	
10:05	100 mL	17.43	.01	16.78	0.889	25.6	0.10	6.92	-102.1	6.0L	
10:10	100 mL	17.43	.01	16.72	0.888	21.8	0.11	6.91	-100.1	6.5L	
10:15	100 mL	17.43	.01	16.55	0.884	21.2	0.11	6.9	-100.6	7.0L	

Notes: Collected WG-121511-KH-033 @ 10:17 after NTU would not stabilize below 20

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

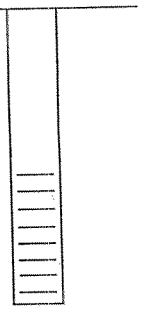
Project Name: GM - Fairfax
Ref. No.: 012559

Date: 12/13/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW118A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 31.44
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 20.62



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
12:25	100 mL	20.64	.02	12.35	.919	22.8	10.68	6.64	76.3	.2 gal	
12:30	100 mL	20.64	.02	12.28	.907	23.9	1.23	6.62	75.8	.3 gal	
12:35	100 mL	20.64	.02	12.25	.897	14.6	0.81	6.60	75.6	.4 gal	
12:40	100 mL	20.64	.02	12.26	.892	13.9	0.64	6.61	71.8	.5 gal	
12:45	100 mL	20.64	.02	11.71	.885	9.8	0.48	6.60	71.3	.6 gal	
12:50	100 mL	20.64	.02	11.60	.879	9.6	0.45	6.60	73.3	.7 gal	

Notes: Collected WG-121311-KH-017 @ 12:52

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

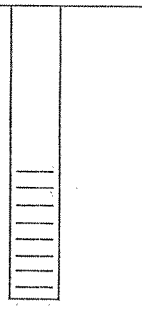
MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: GM - Fairfax
Ref. No.: 012559
Date: 12/15/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-118B
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 60.92
Depth of Sediment (m/ft):
Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 20.60



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required[5]:	±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
12:20	100mL	20.61	.01	13.05	.005	927	12.32	6.60	-52.7	.5L	
12:25	200mL	20.61	.01	13.36	.764	859	0.48	7.01	-94.9	+1.5L	
12:30	200mL	20.63	.03	14.18	.771	468	0.31	6.98	-97.3	2.5L	
12:35	200mL	20.63	.03	14.29	.778	296	0.25	6.98	-102.6	3.5L	
12:40	200mL	20.63	.03	14.44	.784	143	0.20	6.98	-105.5	4.5L	
12:45	200mL	20.63	.03	14.43	.787	84.8	0.17	6.97	-107.4	5.5L	
12:50	200mL	20.63	.03	14.35	.788	59.1	0.17	6.98	-108.8	6.5L	
12:55	200mL	20.63	.03	14.38	.787	47.3	0.13	6.97	-109.8	7.5L	
13:00	200mL	20.63	.03	14.43	.791	34.7	0.12	6.97	-107.0	8.5L	
13:05	200mL	20.63	.03	14.51	.791	31.1	0.12	6.97	-105.9	9.5L	
13:10	200mL	20.63	.03	14.52	.793	21.1	0.11	6.97	-106.1	10.5L	
13:15	200mL	20.63	.03	14.50	.778	31.9	0.45	6.98	-112.3	11.5L	
13:20	200mL	20.63	.03	14.81	.795	22.9	0.12	6.97	-114.9	12.5L	
13:25	200mL	20.63	.03	14.77	.795	17.0	0.10	6.97	-114.0	13.5L	

Notes: Collected WG-121511-KH-034 @ 13:27, could not get below 10 NTUs.

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

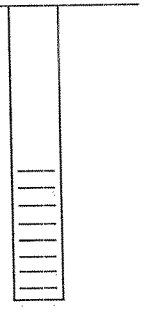
Project Name: GM - Fairfax
Ref. No.: 012559

Date: 12/12/11
Personnel: K. Heffner

Monitoring Well Data:

Well No.: TMW-123
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 36.91
Depth of Sediment (m/ft): NA

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.45



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L) (Tot.)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
2:35P.	100 mL	19.46	.01	12.95	1.019	22.6	2.11	6.80	-73.7	.5 gal	
14:40	100 mL	19.46	.01	13.01	1.036	36.0	.57	6.78	-72.7	1.0 gal	
14:45	100 mL	19.46	.01	13.02	1.043	36.0	0.36	6.77	-69.7	1.25 gal	
14:50	100 mL	19.46	.01	12.98	1.045	30.8	0.26	6.76	-66.8	1.5 gal	
14:55	100 mL	19.46	.01	13.00	1.046	23.3	0.21	6.78	-45.6	2.0 gal	
15:00	100 mL	19.46	.01	12.91	1.046	20.7	0.18	6.78	-43.3	2.25 gal	
15:05	100 mL	19.46	.01	12.94	1.044	23.4	0.19	6.78	-53.3	2.5 gal	
15:10	100 mL	19.46	.01	12.91	1.043	19.6	0.17	6.78	-56.5	2.7 gal	
15:15	100 mL	19.46	.01	12.96	1.045	20.8	0.16	6.78	-58.3	2.8 gal	

Notes: Collected WG-121211-KH-006 @ 15:18

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

WG-121311-DF-011

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

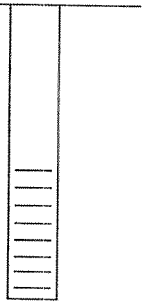
Project Name: Farha - 1
Ref. No.: 12559

Date: 12/13/11
Personnel: DF
@ 0850

Monitoring Well Data:

Well No.: MW-12/A
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2" PVC
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 22.24



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
0820	200	22.24	0.00	13.23	967	12.5	1.32	6.80	-87.6		
0825	250	22.24	0.00	13.81	1011	6.34	1.57	6.94	-113.6		
0830	↓	22.24	0.00	13.85	1018	5.22	1.22	6.95	-115.3		
0835	↓	22.24	0.00	13.89	1021	4.45	1.16	6.96	-113.4		
0840	↓	22.24	0.00	14.03	1023	4.40	1.10	6.95	-112.5		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge @ 0812

MONITORING WELL RECORD FOR LOW-FLOW PURGING

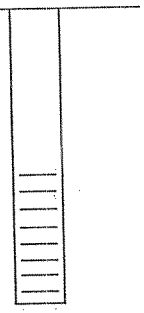
Project Data:

Project Name: GM Fairfax
Ref. No.: 012559
Date: 12/14/11
Personnel: K. Hoeffner

Monitoring Well Data:

Well No.: MW-124B
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): 62.15
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 22.22



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required[5]:	±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
9:00	200 mL	22.25	.03	14.76	.980	60.2	0.6	7.10	-96.7	~~.75~~ 1L	
9:05	200 mL	22.26	.04	14.84	1.030	172	0.41	7.05	-102.0	~~1.5~~ 2L	
9:10	200 mL	22.23	.01	14.83	1.028	108	0.42	7.06	-106.8	3L	
9:15	100 mL	22.25	.03	14.74	1.022	76	1.76	7.07	-108.1	~~4~~ 3.5L	
9:20	100 mL	22.23	.01	14.98	1.021	52.4	1.04	7.07	-105.0	4L	
9:25	100 mL	22.24	.02	14.95	1.023	34.0	.88	7.06	-108.9	4.5L	
9:30	100 mL	22.25	.03	14.96	1.023	29.6	.83	7.06	-108.1	5L	
9:35	100 mL	22.24	.02	14.95	1.023	26.6	.78	7.06	-107.7	5.5L	
9:40	100 mL	22.24	.02	14.97	1.020	19.3	.70	7.07	-110.2	6.0L	
9:45	100 mL	22.24	.02	14.96	1.015	15.7	.62	7.06	-111.1	6.5L	
9:50	100 mL	22.24	.02	15.04	1.009	11.1	.55	7.09	-111.1	7.0L	
9:55	100 mL	22.24	.02	15.09	1.006	7.57	0.47	7.08	-112.7	7.5L	

Notes: Collected WG-121411-KH-024 @ 9:57

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

WG-12121-DF-009

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

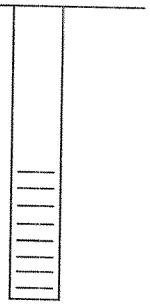
Project Name: Fairfax 1
Ref. No.: 12559

Date: 12/12/11
Personnel: TDF
@ 1605

Monitoring Well Data:

Well No.: MW-125
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft): 35
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft): 10'
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.85



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
1545	250	19.90	0.05	13.03	893	155	1.45	6.70	-71.6		
1550	↓	19.88	0.03	13.50	940	76.1	2.20	6.68	-68.9		
1555		19.88	0.03	13.51	955	41.9	2.89	6.68	-71.8		
1600		19.88	0.03	13.43	959	22.3	3.47	6.68	-74.7		
1605		19.88	0.03	13.40	966	18.9	3.62	6.69	-77.3		
1610		19.88	0.03	13.41	970	17.3	3.60	6.70	-79.6		
1615		19.88	0.03	13.39	973	14.9	3.32	6.71	-81.2		
1620	↓	19.88	0.03	13.37	974	14.0	3.50	6.72	-83.6		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge 1540
Duplicate MW-125
Dup sample # WG-12121-DF-010

WG-121311-DF-018 run MS/MSD

MONITORING WELL RECORD FOR LOW-FLOW PURGING

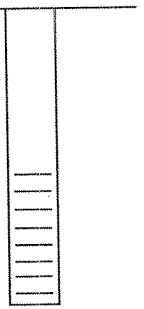
Project Data:

Project Name: Fairlax 1
Ref. No.:
Date: 12-13-11
Personnel: TDF @ 1338

Monitoring Well Data:

Well No.: TMW-127
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2" PVC
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 20.06



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required[5]:	±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
1300	300	20.06	0.00	12.91	1118	80.8	1.82	6.74	42.2		
1305		20.06	0.00	13.36	1142	61.4	1.33	6.77	19.7		
1310		20.06	0.00	13.52	1151	63.4	1.19	6.76	5.6		
1315		20.06	0.00	13.55	1157	61.7	1.18	6.78	-4.3		
1320	↓	20.06	0.00	13.52	1164	60.1	1.18	6.74	-11.1		
1325	↓	20.06	0.00	13.54	1172	52.0	1.16	6.76	-16.3		
1330	↓	20.06	0.00	13.52	1178	46.2	1.13	6.77	-19.1		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

Begin purge @ 1252

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

WG-121411-DF - 027

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

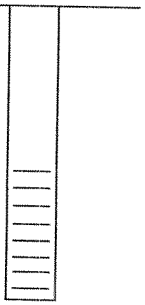
Project Name: Fairfax I
Ref. No.: 12559

Date: 12/14/11
Personnel: TDF @ 1120

Monitoring Well Data:

Well No.: TMW-139
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2" PVC
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.48



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
1050	150	19.52	0.04	15.17	1744	31.2	1.62	6.67	427.0		
1055	↓	19.52	0.04	15.27	1750	29.8	1.39	6.71	432.8		
1100		19.53	0.05	15.31	1750	27.6	1.19	6.72	454.0		
1105		19.53	0.05	15.33	1751	27.4	1.20	6.72	458.0		
1110	↓	19.53	0.05	15.35	1751	28.7	1.18	6.72	460.0		
1115	↓			15.35	1750	29.7	1.10	6.72	472.0		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge @ 1042

WG-121411-DF-028 ~~028~~

MONITORING WELL RECORD FOR LOW-FLOW PURGING

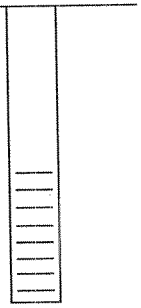
Project Data:

Project Name: Fairfax 1
Ref. No.:
Date: 12/14/11
Personnel: TDF @ 1230

Monitoring Well Data:

Well No.: TMW-H3
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2" PVC
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.01



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
	Precision Required[5]:			±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
~~1305~~ 1205		19.03	0.02	14.93	1167	21.4	2.36	6.71	305		
~~1310~~		NM							↓		
~~1315~~ 1215		19.03	0.02	14.98	1173	4.27	2.01	6.73	245		
~~1320~~ 1220		19.03	0.02	15.00	1174	3.64	1.96	6.74	220		
~~1325~~ 1225		19.03	0.02	15.01	1175	3.30	1.82	6.73	210		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches.

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge @ 1256

WG-12H11 - DF - 025

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

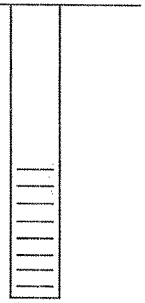
Project Name: Fairfax 1
Ref. No.: 12559.
Date: 12/14/11
Personnel: ~~DF~~
1000

Monitoring Well Data:

Well No.: TMW-144
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

SVOC

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2" PVC
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 18.93



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
0925	250	18.93	0.00	15.14	1473	10.86	1.72	6.66	360.0		
0930	↓	18.93	0.00	15.11	~~1479~~ 1472	6.31	1.49	6.66	280.0		
0935		18.93	0.00	15.10	1468	6.87	1.40	6.66	330.0		
0940		1893	0.00	15.09	~~1478~~ 1464	5.69	1.35	6.66	430.0		
0945		18.93	0.00	15.08	1468	4.45	1.30	6.67	400.0		
0950	↓	18.93	0.00	15.08	1456	4.37	1.31	6.66	350.0		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge @ 0917
ORP meter not working properly

WG - 121311 - DF - 020

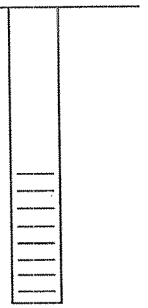
MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Fairfax
Ref. No.: 12559
Date: 12-13-11
Personnel: TDF @ 1440

Monitoring Well Data:

Well No.: TMW-N5
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):
Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2" PVC
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 19.40



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				*±3 %*	*±0.005 or 0.01[6]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*		
1410	300	19.40	0.00	13.82	1095	2.47	14.1	6.76	19.1		
1420	300	19.40	0.00	13.96	1099	0.08	1.28	6.77	17.3		
1425	300	19.40	0.00	13.92	1097	0.06	1.29	6.76	15.6		
1430	300	19.40	0.00	13.86	1095	0.00	1.29	6.76	16.8		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge @ 1402

WG-121411-DF-023 Run MS/MSD

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

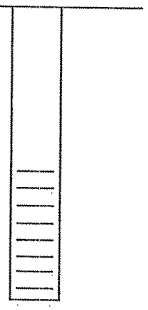
Project Name: Fairfax 1
Ref. No.: 12559

Date: 12-14-11
Personnel: TDF @ 0830

Monitoring Well Data:

Well No.: TMW-16
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft): NM
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in): 2" PVC
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 18.79



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required[5]:				±3 %	±0.005 or 0.01[6]	±10 %	±10 %	±0.1 Units	±10 mV		
0755	300	18.80	0.01	14.62	1280	8.34	2.81	6.60	128.1		
0800		18.81	0.02	14.83	1289	4.33	1.61	6.70	93.7		
0805		18.80	0.01	14.93	1290	4.57	1.49	6.71	120.7		
0810		18.80	0.01	14.99	1290	3.59	1.43	6.71	216.6		
0815		18.80	0.01	14.99	1291	4.33	1.39	6.73	294.0		
0820		18.80	0.01	15.01	1290	4.05	1.46	6.75	360.0		
0825	↓	18.80	0.01	15.02	1288	3.94	1.47	6.76	371.2		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches
(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.
(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Begin purge @ 0750

ORP meter not working properly

APPENDIX D

STRATIGRAPHIC AND INSTRUMENTATION LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: Background Boring
DATE COMPLETED: April 11, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	PID (ppm)
	GROUND SURFACE	744.2						
0	CL/ML CLAY, silty, trace fine grained gravel, brown							1.8
2				1-2' 1GP	P/S			2.1
4	SP SAND, fine grained, gray	740.2						
	ML SILT, trace clay, gray	739.7						2.4
6			Cement/ Bentonite Grout	2GP	P/S			
8								2.2
10				3GP	P/S			1.6
12	SP SAND, fine grained, gray	732.5		10-12'				1.6
	END OF BOREHOLE @ 12.0ft BGS	732.2						
14								
16								
18								
20								
22								
24								
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG_012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-118A
DATE COMPLETED: April 10, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	742.5						
0	CL/ML CLAY, silty, trace fine grained sand, brown							5.9
2				1GP	P/S			7.9
4	SP SAND, fine grained, brown	739.0						
	CL/ML CLAY, silty, gray	738.5	Cement/ Bentonite Grout					35.9
6				2GP	P/S			
8				6-8'				53.9
				3GP	P/S			17.3
10	- refusal at 10.0ft BGS	732.5						
	END OF BOREHOLE @ 10.0ft BGS							
12								
14								
16								
18								
20								
22								
24								
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG_012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-118B
DATE COMPLETED: April 10, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	PID (ppm)
	GROUND SURFACE	742.8						
0	CL/ML CLAY, silty, trace fine grained sand, brown		Cement/ Bentonite Grout					4.7
2				1GP	P/S			6.5
4								7.7
6				2GP	P/S			7.7
8	SP SAND, coarse grained, brown	734.9		3GP 8-10'	P/S			17.9
	CL/ML CLAY, silty, gray	733.9						
10	- refusal at 10.0ft BGS	732.8						
	END OF BOREHOLE @ 10.0ft BGS							
12								
14								
16								
18								
20								
22								
24								
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (oval)

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-119B
DATE COMPLETED: April 17, 2012
DRILLING METHOD: 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	PID (ppm)
	GROUND SURFACE	741.2						
0	CL/ML CLAY, silty, trace fine grained sand, brown							2.7
2				1GP	P/S			2.9
4	- rubble from 4.0 to 7.0ft BGS							3.1
6				2GP	P/S			2.8
8								3.3
10				3GP	P/S			3.0
12	SP SAND, fine grained, brown	730.2	Cement/ Bentonite Grout					3.2
14	ML SILT, gray	728.2		4GP	P/S			2.9
16								3.2
18	CL CLAY, soft, gray, damp	724.2		5GP	P/S			3.3
20	SP SAND, fine grained, brown - wet at 20.0ft BGS	721.9	▽	18-20'				
22	- fine to medium grained at 22.0ft BGS			6GP	P/S			
24	END OF BOREHOLE @ 24.0ft BGS	717.2						
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/17/12
CHEMICAL ANALYSIS (18-20')

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-119C
DATE COMPLETED: April 10, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	742.4						
0	CL/ML CLAY, silty, trace fine grained sand, brown							
2				1GP	P/S			2.1
4	CL CLAY, trace silt, hard, mottled gray/brown, damp	738.4						1.8
6	ML SILT, trace clay, brown	736.4		2GP	P/S			4.0
8								2.8
10	CL/ML CLAY, silty, gray	733.4		3GP	P/S			5.3
12			Cement/ Bentonite Grout					4.9
14				4GP	P/S			5.3
16	ML SILT, trace clay, gray/brown	726.9						6.3
18	CL CLAY, silt, gray	725.4		5GP	P/S			5.7
20	- wet at 19.0ft BGS - 2 inch silt lense from 19.8 to 20.0ft BGS			18-20'				6.4
22	SP SAND, fine to medium grained, brown	720.9		6GP	P/S			
24	END OF BOREHOLE @ 24.0ft BGS	718.4						
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/10/12
CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-120A
DATE COMPLETED: April 9, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL
	GROUND SURFACE	742.3
0	CL/ML CLAY, silty, trace fine grained gravel, brown	
4	ML SILT, trace fine grained sand, brown	738.3
6	CL CLAY, hard, mottled gray/brown, damp	736.3
	ML SILT, brown	735.3
8	CL CLAY, soft, gray	734.8
14	ML SILT, some clay, gray/brown	729.3
18	CL CLAY, soft, gray - wet at 19.0ft BGS	725.3
20	SP SAND, fine grained, brown	722.8
24	END OF BOREHOLE @ 24.0ft BGS	718.3

BOREHOLE: Cement/ Bentonite Grout

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
				1.8
1GP	P/S			3.6
				6.1
2GP	P/S			4.2
				4.2
3GP	P/S			3.4
				4.2
4GP	P/S			4.4
				4.4
5GP	P/S			
18-20'				4.0
6GP	P/S			

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/9/12
CHEMICAL ANALYSIS ( )

OVERBURDEN LOG_012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-147N
DATE COMPLETED: April 9, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	741.3						
0	CL/ML CLAY, silty, some fine grained sand, trace fine grained gravel, brown							6.7
2				1GP	P/S			
4								4.0
6								4.7
				2GP	P/S			
	ML SILT, trace fine grained sand, brown, damp	734.3						5.3
8								
								5.3
10	CL/ML CLAY, silty, mottled gray/brown, damp	731.3	Cement/ Bentonite Grout	3GP	P/S			
12								7.1
								8.1
14	CL CLAY, trace silt, dark brown, damp	727.3		4GP	P/S			
16								10.6
	SP SAND, trace clay, fine grained, brown	724.3						6.7
18				5GP	P/S			
	- wet at 19.0ft BGS		▽	18-20'				8.1
20	END OF BOREHOLE @ 20.0ft BGS	721.3						
22								
24								
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/9/12
CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-147S
DATE COMPLETED: April 9, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL
	GROUND SURFACE	742.4
0	CL/ML CLAY, silty, trace fine grained gravel, brown	
2		
	- trace peat from 3.0 to 3.2ft BGS	
4		
6		736.4
	SM SAND, silty, trace fine grained gravel, fine grained sand, brown, wet	
8		734.4
	CL CLAY, hard, brown, damp	
10		732.4
	ML/CL SILT and CLAY, brown, damp	
12		730.4
	SP SAND, fine grained, brown	
14		
16		
18		
	- wet at 19.0ft BGS	
20		
22		
24		718.4
	END OF BOREHOLE @ 24.0ft BGS	
26		
28		

BOREHOLE: Cement/ Bentonite Grout

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
				3.8
1GP	P/S			
				2.2
				7.3
2GP	P/S			
				12.5
				12.5
3GP	P/S			
				5.3
				6.3
4GP	P/S			
				6.4
				6.9
5GP	P/S			
18-20'				6.7
6GP	P/S			

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/9/12
CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-147W
DATE COMPLETED: April 9, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	PID (ppm)
	GROUND SURFACE	742.8						
0	CL/ML CLAY, silty, trace fine grained gravel, brown							2.8
2				1GP	P/S			5.7
4								5.1
6				2GP	P/S			5.3
7.5	ML SILT, trace clay, brown, damp	735.8						5.9
8								
10				3GP	P/S			6.3
11.5	SP SAND, fine grained, brown	731.3						5.7
12			Cement/ Bentonite Grout					
14				4GP	P/S			5.1
16								5.3
18				5GP	P/S			
				18-20'				5.9
20	- wet at 20.0ft BGS		▽					
22	- fine to coarse grained sand at 22.0ft BGS			6GP	P/S			
24	END OF BOREHOLE @ 24.0ft BGS	718.8						
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/9/12
CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-305
DATE COMPLETED: April 11, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	PID (ppm)
	GROUND SURFACE	743.2						
0	CL/ML CLAY, silty, trace fine grained gravel, brown							4.2
2				1GP	P/S			
4	ML SILT, gray	740.2	Cement/ Bentonite Grout					4.0
6				4-6'				13.2
8				2GP	P/S			3.6
10	SP SAND, fine grained, gray	734.2		3GP	P/S			3.0
12	END OF BOREHOLE @ 10.0ft BGS	733.2						
14								
16								
18								
20								
22								
24								
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (4-6')

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-306
DATE COMPLETED: April 19, 2012
DRILLING METHOD: 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
	GROUND SURFACE	743.2					
0	Blind drilled						
2							
4							
6							
8							
10			Backfilled with cement/ bentonite grout				
12							
14							
16							
18	- collected Shelby tube from 18.0 to 20.0ft BGS			1ST			
20	END OF BOREHOLE @ 20.0ft BGS	723.2					
22							
24							
26							
28							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

GRAIN SIZE ANALYSIS ☐

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-307
DATE COMPLETED: April 19, 2012
DRILLING METHOD: 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
	GROUND SURFACE	743.1					
0	Blind drilled						
2							
4							
6							
8							
10			Backfilled with cement/ bentonite grout				
12							
14							
16							
18	- collected Shelby tube from 18.0 to 20.0ft BGS			1ST			
20	END OF BOREHOLE @ 20.0ft BGS	723.1					
22							
24							
26							
28							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

GRAIN SIZE ANALYSIS ☐

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-48
DATE COMPLETED: April 10, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	744.3						
0	CL/ML CLAY, silty, trace fine grained gravel, brown, odor							>2,999
2	SM SAND, silty, fine grained, brown	742.3		1GP	P/S			>2,999
	ML/CL CLAY, silty, gray, odor	741.3						
4	ML SILT, gray, odor	740.3						>2,999
	CL/ML CLAY, some silt, soft, gray, odor	739.3						
6				2GP	P/S			>2,999
8								>2,999
10				3GP	P/S			
	ML SILT, gray, odor	733.8						>2,999
12			Cement/ Bentonite Grout					
14				4GP (13-15')	P/S			>2,999
16	SP SAND, fine grained, gray, odor	728.5						>2,999
18				5GP	P/S			>2,999
20	- wet at 19.5ft BGS		▽					379
22				6GP	P/S			
24	END OF BOREHOLE @ 24.0ft BGS	720.3						
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/10/12
CHEMICAL ANALYSIS (oval)

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-49
DATE COMPLETED: April 10, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL
	GROUND SURFACE	745.0
0	CL/ML CLAY, silty, trace fine grained gravel, brown, odor	
2	SM SAND, silty, fine grained, brown	743.0
	ML/CL CLAY, silty, gray, odor	742.0
4	ML SILT, gray, odor	741.0
	CL/ML CLAY, some silt, soft, gray, odor	740.0
6		
8		
10		
	ML SILT, gray, odor	734.5
12		
14		
	SP SAND, fine grained, gray, odor	729.2
16		
18		
	- wet at 19.5ft BGS	
20		
22		
24	END OF BOREHOLE @ 24.0ft BGS	721.0
26		
28		

BOREHOLE: Cement/ Bentonite Grout

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
				1,231
1GP	P/S			2,542
				2,220
2GP	P/S			2,113
				2,309
3GP	P/S			2,346
				>2,999
4GP				
13-15'	P/S			>2,999
				1,281
5GP	P/S			379
6GP	P/S			

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/10/12
CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-50
DATE COMPLETED: April 10, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	745.0						
0	CL/ML CLAY, silty, trace fine grained gravel, brown							3.1
2				1GP	P/S			3.4
4	ML SILT, brown	741.4						
6				2GP	P/S			4.0
8								4.2
10	- some clay at 10.0ft BGS		Cement/ Bentonite Grout	3GP	P/S			4.4
12	- gray at 12.0ft BGS							4.0
14				4GP	P/S			4.4
16								4.7
18				5GP	P/S			5.2
20	- wet at 19.5ft BGS END OF BOREHOLE @ 20.0ft BGS	725.0		18-20'				5.8
22								
24								
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/10/12
CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-51
DATE COMPLETED: April 10, 2012
DRILLING METHOD: Geoprobe
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	745.0						
0	CL/ML CLAY, silty, trace fine grained gravel, brown							3.2
2				1GP	P/S			3.4
4	ML SILT,brown	742.0						3.8
6				2GP	P/S			4.2
8								3.2
10			Cement/ Bentonite Grout	3GP	P/S			3.8
12								3.8
14				4GP	P/S			3.8
16								4.1
18	- some clay at 18.0ft BGS			5GP	P/S			
	- wet at 19.5ft BGS			18-20'				5.6
20	END OF BOREHOLE @ 20.0ft BGS	725.0						
22								
24								
26								
28								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 012559 BH CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: MW-156
DATE COMPLETED: April 11, 2012
DRILLING METHOD: 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	MONITOR WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
	TOP OF CASING GROUND SURFACE	746.88 743.70					
0	Blind drilled		Concrete				
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24			Cement/ Bentonite Grout				
26							
28							
30							
32							
34							
36							
38							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: MW-156
DATE COMPLETED: April 11, 2012
DRILLING METHOD: 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	MONITOR WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
60	END OF BOREHOLE @ 60.0ft BGS	683.70	Bentonite Chips; 8" Ø Borehole; Sand Pack; 2" Ø Well Screen				

WELL DETAILS
Screened interval:
694.70 to 684.70ft AMSL
49.00 to 59.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
699.70 to 697.70ft AMSL
44.00 to 46.00ft BGS
Material: Bentonite Chips
Sand Pack:
697.70 to 683.70ft AMSL
46.00 to 60.00ft BGS
Material: #1 Filtersil Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

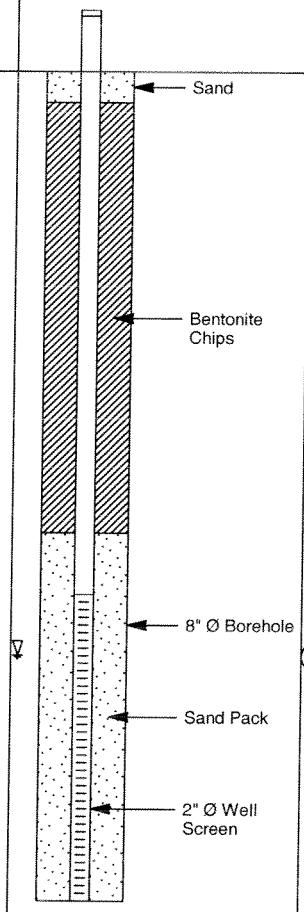
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-147E
DATE COMPLETED: April 13, 2012
DRILLING METHOD: Geoprobe, 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL
	TOP OF CASING	744.11
	GROUND SURFACE	741.60
0	CL/ML CLAY, silty, some fine grained sand, trace fine grained gravel, brown	
8	CL CLAY, hard, mottled gray/brown, damp	733.10
10	ML/CL SILT/CLAY, brown, damp	731.10
14	- some fine grained sand at 15.0ft BGS	
16	CL CLAY, trace sand, soft, gray, damp	725.60
18	- wet at 19.0ft BGS	
20	SP SAND, fine grained, brown, wet	720.60
26	END OF BOREHOLE @ 27.0ft BGS	714.60

MONITOR WELL



WELL DETAILS
Screened interval:
724.60 to 714.60ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
740.60 to 726.60ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
726.60 to 714.60ft AMSL
15.00 to 27.00ft BGS
Material: #1 Filtersil Sand

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1GP	P/S			4.2
				9.4
2GP	P/S			8.3
				8.7
2GP	P/S			8.1
				9.6
4GP	P/S			7.1
				10.2
5GP	P/S			7.1
18-20'				9.4

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/13/12
CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-148
DATE COMPLETED: April 16, 2012
DRILLING METHOD: 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	MONITOR WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
	TOP OF CASING GROUND SURFACE	745.85 743.60					
0	Blind drilled		Sand				
2							
4							
6							
8			Bentonite Chips				
10							
12							
14							
16							
18			8" Ø Borehole				
20							
22			Sand Pack				
24							
26			2" Ø Well Screen				
27	END OF BOREHOLE @ 27.0ft BGS	716.60					
28							
30							
32							
34							
36							
38							
40							
42							
44							

WELL DETAILS
Screened interval:
726.60 to 716.60ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
742.60 to 728.60ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
728.60 to 716.60ft AMSL
15.00 to 27.00ft BGS
Material: #1 Filtersil Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-149
DATE COMPLETED: April 16, 2012
DRILLING METHOD: 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	MONITOR WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
	TOP OF CASING GROUND SURFACE	745.96 743.86					
0	Blind drilled		Sand				
2							
4							
6							
8			Bentonite Chips				
10							
12							
14							
16							
18			8" Ø Borehole				
20							
22			Sand Pack				
24			2" Ø Well Screen				
26							
27	END OF BOREHOLE @ 27.0ft BGS	716.86					
28							
30							
32							
34							
36							
38							
40							
42							
44							

WELL DETAILS
Screened interval:
726.86 to 716.86ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
742.86 to 728.86ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
728.86 to 716.86ft AMSL
15.00 to 27.00ft BGS
Material: #1 Filtersil Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-150
DATE COMPLETED: April 13, 2012
DRILLING METHOD: 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	MONITOR WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
	TOP OF CASING GROUND SURFACE	746.26 742.70					
0	Blind drilled		Sand				
2							
4							
6							
8			Bentonite Chips				
10							
12							
14							
16							
18			8" Ø Borehole				
20							
22			Sand Pack				
24			2" Ø Well Screen				
26							
27	END OF BOREHOLE @ 27.0ft BGS	715.70					
28							
30							
32							
34							
36							
38							
40							
42							
44							

WELL DETAILS
Screened interval:
725.70 to 715.70ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
741.70 to 727.70ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
727.70 to 715.70ft AMSL
15.00 to 27.00ft BGS
Material: #1 Filtersil Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-151
DATE COMPLETED: April 13, 2012
DRILLING METHOD: 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	MONITOR WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
	TOP OF CASING GROUND SURFACE	744.79 742.90					
0	Blind drilled		Sand				
2							
4							
6							
8			Bentonite Chips				
10							
12							
14							
16							
18			8" Ø Borehole				
20							
22			Sand Pack				
24			2" Ø Well Screen				
26							
27	END OF BOREHOLE @ 27.0ft BGS	715.90					
28							
30							
32							
34							
36							
38							
40							
42							
44							

WELL DETAILS
Screened interval:
725.90 to 715.90ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
741.90 to 727.90ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
727.90 to 715.90ft AMSL
15.00 to 27.00ft BGS
Material: #1 Filtersil Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

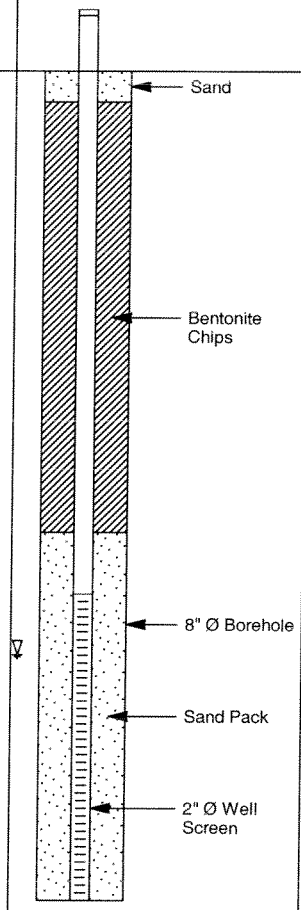
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-152/SB-119A
DATE COMPLETED: April 16, 2012
DRILLING METHOD: Geoprobe, 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL
	TOP OF CASING	744.02
	GROUND SURFACE	742.00
0	CL/ML CLAY, silty, trace fine grained sand, brown	
8	CL CLAY, trace silt, hard, brown, damp	734.00
10	ML SILT, brown	731.50
12	SP SAND, trace silt, fine grained, brown	729.50
16	- gray at 16.2ft BGS	
18	CL CLAY, soft, gray, damp	725.00
	SP SAND, fine to medium grained, brown	724.50
	- wet at 19.0ft BGS	
28	END OF BOREHOLE @ 27.0ft BGS	715.00

MONITOR WELL



WELL DETAILS
Screened interval:
725.00 to 715.00ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
741.00 to 727.00ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
727.00 to 715.00ft AMSL
15.00 to 27.00ft BGS
Material: #1 Filtersil Sand

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
				2.3
1GP	P/S			3.1
				2.9
2GP	P/S			2.9
				2.8
2GP	P/S			2.9
				2.0
4GP	P/S			4.3
				3.6
5GP	P/S			5.5
18-20'				

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/16/12
CHEMICAL ANALYSIS (18-20')

OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-153
DATE COMPLETED: April 12, 2012
DRILLING METHOD: Geoprobe, 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL
	TOP OF CASING	745.82
	GROUND SURFACE	743.10
0	CL/ML CLAY, silty, trace fine grained gravel, brown	
4	SP SAND, fine grained, brown	739.30
6	ML SILT, brown, damp	737.80
8	CL CLAY, soft, brown	736.00
12	SP SAND, fine grained, brown	731.50
20	SW SAND, fine to coarse grained, gray, wet	723.10
27	END OF BOREHOLE @ 27.0ft BGS	716.10

MONITOR WELL: Sand; Bentonite Chips; 8" Ø Borehole; Sand Pack; 2" Ø Well Screen

WELL DETAILS
Screened interval:
726.10 to 716.10ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
742.10 to 728.10ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
728.10 to 716.10ft AMSL
15.00 to 27.00ft BGS
Material: #1 Filtersil Sand

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1GP	P/S			5.1
				9.4
2GP	P/S			9.6
				7.4
2GP	P/S			6.7
				5.1
4GP	P/S			7.3
				9.4
5GP	P/S			9.2
18-20'				9.7

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/12/12
CHEMICAL ANALYSIS ⬭

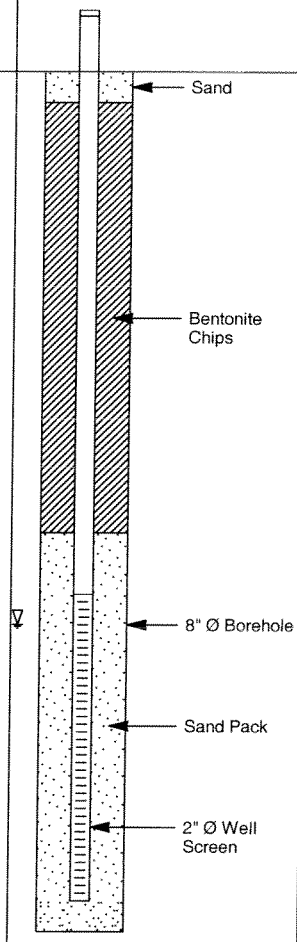
OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-154
DATE COMPLETED: April 12, 2012
DRILLING METHOD: Geoprobe, 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL
	TOP OF CASING	745.41
	GROUND SURFACE	743.40
0	CL/ML CLAY, silty, trace fine grained gravel, brown	742.40
2	SP SAND, fine grained, brown	740.90
4	ML SILT, trace clay, gray, damp	
6		
8	SP SAND, fine grained, brown	736.20
10		
12	ML SILT, brown/gray, damp	731.80
14		
16		
18	- wet at 18.0ft BGS	
20	SP SAND, fine to coarse grained, gray	723.00
22		
24		
26		
28	END OF BOREHOLE @ 28.0ft BGS	715.40
30		
32		
34		
36		
38		
40		
42		
44		



WELL DETAILS
Screened interval:
726.40 to 716.40ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
742.40 to 728.40ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
728.40 to 715.40ft AMSL
15.00 to 28.00ft BGS
Material: #1 Filtersil Sand

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1GP	P/S			5.7
				5.3
2GP	P/S			5.3
				5.5
2GP	P/S			4.9
				5.5
4GP	P/S			5.5
				4.2
5GP	P/S			5.6
18-20'				6.3

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/12/12
CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-155
DATE COMPLETED: April 12, 2012
DRILLING METHOD: Geoprobe, 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL
	TOP OF CASING	746.27
	GROUND SURFACE	743.90
0	CL/ML CLAY, silty, trace fine grained gravel, brown	
6	ML SILT, trace clay, gray, odor	738.90
14	SP SAND, fine grained, brown	729.90
18	ML SILT, gray, damp	726.40
18	SP SAND, fine grained, brown - wet at 19.0ft BGS	725.40
27	END OF BOREHOLE @ 27.0ft BGS	716.90

MONITOR WELL: Sand; Bentonite Chips; 8" Ø Borehole; Sand Pack; 2" Ø Well Screen

WELL DETAILS
Screened interval:
726.90 to 716.90ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
742.90 to 728.90ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
728.90 to 716.90ft AMSL
15.00 to 27.00ft BGS
Material: #1 Filtersil Sand

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1GP	P/S			3.2
				4.4
2GP	P/S			10.6
				9.8
2GP	P/S			9.2
				5.5
4GP	P/S			5.7
				8.9
5GP	P/S			9.4
18-20'				10.2

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/12/12
CHEMICAL ANALYSIS (18-20')

OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Fairfax I Site
PROJECT NUMBER: 12559
CLIENT: RACER Trust
LOCATION: Kansas City, Kansas
DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: TMW-157
DATE COMPLETED: April 12, 2012
DRILLING METHOD: Geoprobe, 4¼ ID HSA
FIELD PERSONNEL: J. Hargens
DRILLER: P. Gallager

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL
	TOP OF CASING	747.37
	GROUND SURFACE	744.90
0	FILL, gravel	
4	ML SILT, trace clay, brown	740.90
14	SP SAND, fine grained, brown	729.90
16	CL CLAY, hard, gray	726.90
18	SP SAND, fine grained, brown - wet at 19.5ft BGS	725.90
28	END OF BOREHOLE @ 27.0ft BGS	717.90

MONITOR WELL: Sand; Bentonite Chips; 8" Ø Borehole; Sand Pack; 2" Ø Well Screen

WELL DETAILS
Screened interval:
727.90 to 717.90ft AMSL
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
743.90 to 729.90ft AMSL
1.00 to 15.00ft BGS
Material: Bentonite Chips
Sand Pack:
729.90 to 717.90ft AMSL
15.00 to 27.00ft BGS
Material: #1 Filtersil Sand

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1GP	P/S			4.1
				5.7
2GP	P/S			7.5
				8.9
2GP	P/S			9.4
				8.9
4GP	P/S			9.2
				8.9
5GP	P/S			8.7
18-20'				8.9

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ 4/12/12
CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 12559 MW CHI.GPJ CRA_CORP.GDT 6/14/12

APPENDIX E

DATA VALIDATION MEMORANDA

CONESTOGA-ROVERS & ASSOCIATES

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MEMORANDUM

TO:	Pat Klick	REF. NO.:	012559
FROM:	Kathleen Willy/amm/2	DATE:	February 24, 2012
C.C.:	Phil Harvey, Susan Scrocchi		E-Mail and Hard Copy if Requested
RE:	**Data Quality Assessment and Validation Groundwater Sampling Fairfax Plant Sites I and II Kansas City, Kansas December 2011**		

INTRODUCTION

The following details a quality assessment and validation of the analytical data resulting from the December 2011, collection of groundwater samples at Fairfax Plant Sites I and II in Kansas City, Kansas. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Test America Laboratories, Inc. (TestAmerica), in North Canton, Ohio in accordance with the methodologies presented in Table 2. The analytical results are summarized in Table 3. The QC criteria used to assess the data were established by the methods and with the following guidance documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", USEPA 540/R-99/008, October 1999

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", USEPA 540/R-94/013, February 1994

These guidelines are collectively referred to as "Guidelines" in this memorandum.

SAMPLE QUANTITATION

The laboratory reported detected concentrations of analytes below the laboratory's practical quantitation limit (PQL)/report limit (RL). The detections between the PQL/RL and the method detection limit (MDL) have been qualified as estimated.

SAMPLE PRESERVATION AND HOLDING TIMES

Sample holding time periods and preservation requirements are summarized in the analytical methods. All sample extractions and/or analyses were performed within the specified holding times.

All samples were properly preserved and cooled after collection.

METHOD BLANK SAMPLES

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

Method blanks were analyzed at the recommended frequency and all results were non-detect for the compounds of interest with the exception of some low levels of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and gasoline range organics (GROs). Associated sample results with concentrations similar to that found in the blanks were qualified as non-detect. Sample results that were either non-detect or significantly greater than the concentration found in the blank were not impacted and no qualification of the data was necessary. A summary of qualified results is found in Table 4.

SURROGATE COMPOUNDS - ORGANIC ANALYSES

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

All surrogate recoveries were within laboratory control limits, indicating acceptable analytical efficiency.

LABORATORY CONTROL SAMPLE (LCS)

The LCS analysis serves as a monitor of the overall performance. LCSs are prepared with all analytes of interest and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

Laboratory control samples (LCS) were prepared and analyzed for all parameters. All recoveries were within required control limits showing adequate analytical accuracy and precision.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To assess the long term accuracy and precision of the analytical methods on various matrices, MS/MSD percent recoveries and relative percent differences (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The inorganic control limits are defined by the methods and the "Guidelines", which require recoveries between 75 to 125 percent with RPDs less than 20 percent for water samples and 30 percent for soil samples.

Matrix spikes (MS) were prepared and analyzed in duplicate for VOCs, SVOCs, GRO, diesel range organics (DRO), and sulfide. All recoveries were within required control limits showing adequate analytical accuracy and precision with the exception of 3,3-dichlorobenzidine which was not recovered in the MS or MSD. The sample result was rejected due to the poor analytical efficiency (see Table 5).

FIELD QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

The field QA/QC consisted of one field blank and three trip blanks.

TRIP BLANKS

To monitor potential cross-contamination during sample transportation and storage, trip blanks were submitted to the laboratory for analysis.

All trip blank results were non-detect for the compounds of interest.

FIELD BLANKS

To assess the cleanliness of sample containers and the presence of field contamination, the field blank sample identified in Table 1 was collected and analyzed.

Field blank results were non-detect for the compounds of interest with the exception of some low levels of VOCs. Associated sample results with concentrations similar to that found in the blank were qualified as non-detect. Sample results that were either non-detect or significantly greater than the concentration found in the blank were not impacted and no qualification of the data was necessary. A summary of qualified results is found in Table 6.

OVERALL ASSESSMENT

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications and exceptions noted.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I AND II
KANSAS CITY, KANSAS
DECEMBER 2011

				Analysis/Parameters												
Sample ID	*Location ID*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*Flashpoint*	*Metals*	*Mercury*	*TPH-DRO*	*TPH-GRO*	*Pesticides*	*PCBs*	*Herbicides*	*VOCs*	*SVOCs*	*Cyanide*	*Sulfide*	*Comments*
WG-121211-DF-001	MW-102A	12/12/11	10:20:00 AM									X				
WG-121211-KH-008	MW-110	12/12/11	4:18:00 PM									X				
WG-121311-DF-011	MW-124A	12/13/11	8:50:00 AM									X				
WG-121311-DF-013	MW-103A	12/13/11	10:45:00 AM				X	X				X	X			
WG-121311-DF-014	MW-103A	12/13/11	12/13/2011				X	X				X	X			Field duplicate of sample WG-121311-DF-013
WG-121311-DF-018	TMW-127	12/13/11	1:30:00 PM									X				
WG-121311-DF-020	TMW-145	12/13/11	2:40:00 PM				X	X				X	X			
WG-121311-KH-012	MW-109	12/13/11	10:00:00 AM									X				
WG-121311-KH-015	MW-117A	12/13/11	10:50:00 AM									X				
WG-121311-KH-016	MW-1	12/13/11	11:47:00 AM									X				
WG-121311-KH-017	MW-118A	12/13/11	12:52:00 PM									X				
WG-121211-DF-003	MW-104	12/12/11	12:10:00 PM				X	X				X	X			
WG-121311-KH-019	MW-110A	12/13/11	2:05:00 PM									X				
WG-121311-KH-021	MW-1A	12/13/11	3:40:00 PM									X				
WG-121311-KH-022	Equipment Blank	12/13/11	2:55:00 PM									X				Equipment Blank
WG-121411-DF-023	TMW-146	12/14/11	8:30:00 AM				X	X				X	X			
WG-121411-DF-025	TMW-144	12/14/11	10:00:00 AM				X	X				X	X			
WG-121411-DF-027	TMW-139	12/14/11	11:20:00 AM									X				
WG-121411-DF-028	TMW-143	12/14/11	12:30:00 PM				X	X				X	X			
WG-121411-KH-024	MW-124B	12/14/11	9:57:00 AM									X				
WG-121411-KH-026	MW-102C	12/14/11	10:56:00 AM									X				
WG-121411-KH-029	MW-103B	12/14/11	1:02:00 PM									X				
WG-121211-DF-005	MW-105	12/12/11	1:30:00 PM									X				
WG-121411-KH-030	MW-103C	12/14/11	2:17:00 PM									X				
WG-121411-KH-031	MW-1B	12/14/11	4:15:00 PM									X				
TB-121411-KH-032	Trip Blank	12/14/11	12/14/2011									X				Trip Blank

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I AND II
KANSAS CITY, KANSAS
DECEMBER 2011

				Analysis/Parameters												
Sample ID	*Location ID*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*Flashpoint*	*Metals*	*Mercury*	*TPH-DRO*	*TPH-GRO*	*Pesticides*	*PCBs*	*Herbicides*	*VOCs*	*SVOCs*	*Cyanide*	*Sulfide*	*Comments*
WG-121211-DF-007	MW-108	12/12/11	2:30:00 PM									X				
WG-121211-DF-009	MW-125	12/12/11	4:25:00 PM									X				
WG-121211-DF-010	MW-125	12/12/11	12/12/2011									X				Field duplicate of sample WG-121211-DF-009
WG-121211-KH-002	MW-115A	12/12/11	10:55:00 AM				X	X				X	X			
WG-121211-KH-004	MW-111	12/12/11	1:44:00 PM									X				
WG-121211-KH-006	TMW-123	12/12/11	3:18:00 PM									X				
WG-121511-KH-033	MW-117B	12/15/11	10:17:00 AM									X				
WG-121511-KH-034	MW-118B	12/15/11	1:27:00 PM									X				
WG-121511-KH-035	MW-1C	12/15/11	2:47:00 PM									X				
TB-121511-KH-036	Trip Blank	12/15/11	12/15/2011									X				Trip Blank
WG-122211-KH-037	CleanPurgeDrum	12/22/11	11:10:00 AM	X	X	X	X	X	X	X	X	X	X	X	X	
WG-122211-KH-038	DetectPurgeDrum	12/22/11	11:15:00 AM	X	X	X	X	X	X	X	X	X	X	X	X	
TB-122211-KH-039	Trip Blank	12/22/11	12/22/2011									X				Trip Blank

Notes:

DRO	Diesel Range Organics
GRO	Gasoline Range Organics
PCBs	Polychlorinated Biphenyls
SVOCs	Semi-Volatile Organic Compounds.
TPH	Total Petroleum Hydrocarbons
VOCs	Volatile Organic Compounds.

TABLE 2

SAMPLE HOLDING TIME CRITERIA AND ANALYTICAL METHOD SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I AND II
KANSAS CITY, KANSAS
DECEMBER 2011

Parameter	*Matrix*	*Analytical Method*
Volatiles	Water	SW-8260 [1]
Semivolatiles	Water	SW-8270 [1]
Pesticides	Water	SW-8081 [1]
PCBs	Water	SW-8082 [1]
Herbicides	Water	SW-8151 [1]
TPH -GRO	Water	SW-8015 [1]
TPH -DRO	Water	SW-8015 [1]
Metals	Water	SW-6010 [1]
Mercury	Water	SW-7470 [1]
Ignitability	Water	SW-1010 [1]
Cyanide	Water	SW-9012 [1]
Sulfide	Water	SW-9034 [1]

Notes:

[1] Referenced from "Test Methods for Evaluating Solid Waste," USEPA SW-846, 3rd Edition, 1994 with all subsequent revisions.

USEPA United States Environmental Protection Agency.
TPH Total Petroleum Hydrocarbons
GRO Gasoline Range Organics
DRO Diesel Range Organics
PCBs Polychlorinated Biphenyls

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*CleanPurgeDrum*	*DetectPurgeDrum*	*MW-1*	*MW-1A*	*MW-1B*	*MW-1C*
	Sample Name:	*WG-122211-KH-037*	*WG-122211-KH-038*	*WG-121311-KH-016*	*WG-121311-KH-021*	*WG-121411-KH-031*	*WG-121511-KH-035*
	Sample Date:	*12/22/2011*	*12/22/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/15/2011*
	Sample Type:						
Parameters	*Units*						
Petrl Prod							
Total Petroleum Hydrocarbons (C10-C20) DRO	µg/L	ND(0.48)	6	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	µg/L	ND(0.1)	5.8	-	-	-	-
VOCs							
1,1,1-Trichloroethane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trichlorobenzene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	ND(0.005)	ND(0.25)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
1,2-Dibromoethane (Ethylene dibromide)	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	0.0071 J	ND(1.3)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Hexanone	µg/L	ND(0.025)	ND(1.3)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	ND(0.025)	3	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	µg/L	0.14	7.6	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	*CleanPurgeDrum*	*DetectPurgeDrum*	*MW-1*	*MW-1A*	*MW-1B*	*MW-1C*
Sample Name:	*WG-122211-KH-037*	*WG-122211-KH-038*	*WG-121311-KH-016*	*WG-121311-KH-021*	*WG-121411-KH-031*	*WG-121511-KH-035*
Sample Date:	*12/22/2011*	*12/22/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/15/2011*
Sample Type:						
Parameters	*Units*					
VOCs (cont'd)						
Chloromethane (Methyl chloride)	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	µg/L	0.0021 J	ND(0.13)	ND(0.001)	0.00018 J	ND(0.001)	ND(0.001)
cis-1,3-Dichloropropene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cyclohexane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	µg/L	ND(0.0025)	0.055 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl acetate	µg/L	ND(0.025)	ND(1.3)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Methyl cyclohexane	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	µg/L	ND(0.013)	ND(0.63)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Methylene chloride	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	µg/L	ND(0.0025)	1.6	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,3-Dichloropropene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	µg/L	ND(0.0025)	ND(0.13)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	µg/L	ND(0.005)	0.58	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
SVOCs						
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
2,4,5-Trichlorophenol	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-
2,4,6-Trichlorophenol	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-
2,4-Dichlorophenol	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
2,4-Dimethylphenol	µg/L	ND(0.0019)	0.042	-	-	-	-
2,4-Dinitrophenol	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	*CleanPurgeDrum*	*DetectPurgeDrum*	*MW-1*	*MW-1A*	*MW-1B*	*MW-1C*
Sample Name:	*WG-122211-KH-037*	*WG-122211-KH-038*	*WG-121311-KH-016*	*WG-121311-KH-021*	*WG-121411-KH-031*	*WG-121511-KH-035*
Sample Date:	*12/22/2011*	*12/22/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/15/2011*
Sample Type:						
Parameters	*Units*					
SVOCs cont'd)						
2,4-Dinitrotoluene	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-
2,6-Dinitrotoluene	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-
2-Chloronaphthalene	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
2-Chlorophenol	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
2-Methylnaphthalene	µg/L	ND(0.00019)	0.039	-	-	-	-
2-Methylphenol	µg/L	ND(0.00095)	0.11	-	-	-	-
2-Nitroaniline	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
2-Nitrophenol	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
3&4-Methylphenol	µg/L	ND(0.0019)	0.26	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-
3-Nitroaniline	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
4-Chloro-3-methylphenol	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
4-Chloroaniline	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
4-Nitroaniline	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
4-Nitrophenol	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-
Acenaphthene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Acenaphthylene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Acetophenone	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Anthracene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Atrazine	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Benzaldehyde	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Benzo(a)anthracene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Benzo(a)pyrene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Benzo(b)fluoranthene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Benzo(g,h,i)perylene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Benzo(k)fluoranthene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	*CleanPurgeDrum*	*DetectPurgeDrum*	*MW-1*	*MW-1A*	*MW-1B*	*MW-1C*
Sample Name:	*WG-122211-KH-037*	*WG-122211-KH-038*	*WG-121311-KH-016*	*WG-121311-KH-021*	*WG-121411-KH-031*	*WG-121511-KH-035*
Sample Date:	*12/22/2011*	*12/22/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/15/2011*
Sample Type:						
Parameters	*Units*					
SVOCs cont'd)						
bis(2-Chloroethyl)ether	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Caprolactam	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-
Carbazole	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Chrysene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Dibenz(a,h)anthracene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Dibenzofuran	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Diethyl phthalate	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Dimethyl phthalate	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Fluoranthene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Fluorene	µg/L	ND(0.00019)	0.0028	-	-	-	-
Hexachlorobenzene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Hexachlorobutadiene	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Hexachlorocyclopentadiene	µg/L	ND(0.0095)	ND(0.095)	-	-	-	-
Hexachloroethane	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-
Isophorone	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Naphthalene	µg/L	ND(0.00019)	0.03	-	-	-	-
Nitrobenzene	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
N-Nitrosodiphenylamine	µg/L	ND(0.00095)	ND(0.0095)	-	-	-	-
Pentachlorophenol	µg/L	ND(0.0048)	ND(0.048)	-	-	-	-
Phenanthrene	µg/L	ND(0.00019)	0.0047	-	-	-	-
Phenol	µg/L	0.0017	0.029	-	-	-	-
Pyrene	µg/L	ND(0.00019)	ND(0.0019)	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	*CleanPurgeDrum*	*DetectPurgeDrum*	*MW-1*	*MW-1A*	*MW-1B*	*MW-1C*
Sample Name:	*WG-122211-KH-037*	*WG-122211-KH-038*	*WG-121311-KH-016*	*WG-121311-KH-021*	*WG-121411-KH-031*	*WG-121511-KH-035*
Sample Date:	*12/22/2011*	*12/22/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/15/2011*
Sample Type:						
Parameters	*Units*					
Metals						
Arsenic	µg/L	ND(0.01)	0.011	-	-	-	-
Barium	µg/L	0.28 J	0.26 J	-	-	-	-
Cadmium	µg/L	ND(0.002)	ND(0.002)	-	-	-	-
Chromium	µg/L	ND(0.005)	ND(0.005)	-	-	-	-
Lead	µg/L	ND(0.003)	ND(0.003)	-	-	-	-
Mercury	µg/L	ND(0.0002)	ND(0.0002)	-	-	-	-
Selenium	µg/L	ND(0.005)	ND(0.005)	-	-	-	-
Silver	µg/L	ND(0.005)	ND(0.005)	-	-	-	-
Herbicides							
2,4,5-T	µg/L	ND(0.001)	ND(0.001)	-	-	-	-
2,4,5-TP (Silvex)	µg/L	ND(0.001)	ND(0.001)	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	ND(0.004)	ND(0.004)	-	-	-	-
PCBs							
Aroclor-1016 (PCB-1016)	µg/L	ND(0.000095)	ND(0.000096)	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	ND(0.000095)	ND(0.000096)	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	ND(0.000095)	ND(0.000096)	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	ND(0.000095)	ND(0.000096)	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	ND(0.000095)	ND(0.000096)	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	ND(0.000095)	ND(0.000096)	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	ND(0.000095)	ND(0.000096)	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*CleanPurgeDrum*	*DetectPurgeDrum*	*MW-1*	*MW-1A*	*MW-1B*	*MW-1C*
	Sample Name:	*WG-122211-KH-037*	*WG-122211-KH-038*	*WG-121311-KH-016*	*WG-121311-KH-021*	*WG-121411-KH-031*	*WG-121511-KH-035*
	Sample Date:	*12/22/2011*	*12/22/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/15/2011*
	Sample Type:						
Parameters	*Units*						
Pesticides							
4,4'-DDD	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
4,4'-DDE	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
4,4'-DDT	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Aldrin	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
alpha-BHC	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
alpha-Chlordane	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
beta-BHC	µg/L	ND(0.000048)	0.00019 J	-	-	-	-
delta-BHC	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Dieldrin	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Endosulfan I	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Endosulfan II	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Endosulfan sulfate	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Endrin	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Endrin aldehyde	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Endrin ketone	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
gamma-BHC (lindane)	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
gamma-Chlordane	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Heptachlor	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Heptachlor epoxide	µg/L	ND(0.000048)	ND(0.00048)	-	-	-	-
Methoxychlor	µg/L	ND(0.000095)	ND(0.00095)	-	-	-	-
Toxaphene	µg/L	ND(0.0019)	ND(0.019)	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*CleanPurgeDrum*	*DetectPurgeDrum*	*MW-1*	*MW-1A*	*MW-1B*	*MW-1C*
	Sample Name:	*WG-122211-KH-037*	*WG-122211-KH-038*	*WG-121311-KH-016*	*WG-121311-KH-021*	*WG-121411-KH-031*	*WG-121511-KH-035*
	Sample Date:	*12/22/2011*	*12/22/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/15/2011*
	Sample Type:						
Parameters	*Units*						
Wet							
Cyanide (total)	mg/L	ND(0.010)	ND(0.010)	-	-	-	-
Flash point (closed cup)	Deg F	ND(180)	ND(180)	-	-	-	-
pH, lab	s.u.	7.5	7.3	-	-	-	-
Sulfide	mg/L	ND(3.0)	ND(3.0)	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
--: Not Analyzed
PCBs - Polychlorinated Biphenyls
DRO - Diesel Range Organics
GRO - Gasoline Range Organics
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	MW-102A	MW-102C	MW-103A	MW-103A	MW-103B	MW-103C
Sample Name:	WG-121211-DF-001	WG-121411-KH-026	WG-121311-DF-014	WG-121311-DF-013	WG-121411-KH-029	WG-121411-KH-030
Sample Date:	12/12/2011	12/14/2011	12/13/2011	12/13/2011	12/14/2011	12/14/2011
Sample Type:			Duplicate			
Parameters	*Units*					
Petrl Prod						
Total Petroleum Hydrocarbons (C10-C20) DRO	µg/L	-	-	9.8	7.9	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	µg/L	-	-	180	180	-	-
VOCs							
1,1,1-Trichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,2,4-Trichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	ND(0.002)	ND(0.002)	ND(4)	ND(4)	ND(0.002)	ND(0.002)
1,2-Dibromoethane (Ethylene dibromide)	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(0.01)	ND(0.01)	1.1 J	1.3 J	ND(0.01)	ND(0.01)
2-Hexanone	µg/L	ND(0.01)	ND(0.01)	ND(20)	ND(20)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	ND(0.01)	ND(0.01)	34	33	ND(0.01)	ND(0.01)
Acetone	µg/L	ND(0.01)	ND(0.01)	70	70	ND(0.01)	ND(0.01)
Benzene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Bromodichloromethane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Bromoform	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Carbon disulfide	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Carbon tetrachloride	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Chlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Chloroethane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	MW-102A	MW-102C	MW-103A	MW-103A	MW-103B	MW-103C
Sample Name:	WG-121211-DF-001	WG-121411-KH-026	WG-121311-DF-014	WG-121311-DF-013	WG-121411-KH-029	WG-121411-KH-030
Sample Date:	12/12/2011	12/14/2011	12/13/2011	12/13/2011	12/14/2011	12/14/2011
Sample Type:			Duplicate			
Parameters	*Units*					
VOCs (cont'd)						
Chloromethane (Methyl chloride)	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	0.0044	ND(0.001)
cis-1,3-Dichloropropene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Cyclohexane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Dibromochloromethane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Ethylbenzene	µg/L	ND(0.001)	ND(0.001)	2.6	2.4	ND(0.001)	ND(0.001)
Isopropyl benzene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Methyl acetate	µg/L	ND(0.01)	ND(0.01)	ND(20)	ND(20)	ND(0.01)	ND(0.01)
Methyl cyclohexane	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	µg/L	ND(0.005)	ND(0.005)	ND(10)	ND(10)	ND(0.005)	ND(0.005)
Methylene chloride	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Styrene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Tetrachloroethene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Toluene	µg/L	ND(0.001)	ND(0.001)	61	57	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
trans-1,3-Dichloropropene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Trichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Vinyl chloride	µg/L	ND(0.001)	ND(0.001)	ND(2)	ND(2)	ND(0.001)	ND(0.001)
Xylenes (total)	µg/L	ND(0.002)	ND(0.002)	28	26	ND(0.002)	ND(0.002)
SVOCs						
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
2,4,5-Trichlorophenol	µg/L	-	-	ND(0.26)	ND(0.26)	-	-
2,4,6-Trichlorophenol	µg/L	-	-	ND(0.26)	ND(0.26)	-	-
2,4-Dichlorophenol	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
2,4-Dimethylphenol	µg/L	-	-	0.33	0.35	-	-
2,4-Dinitrophenol	µg/L	-	-	ND(0.26)	ND(0.26)	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	MW-102A	MW-102C	MW-103A	MW-103A	MW-103B	MW-103C
Sample Name:	WG-121211-DF-001	WG-121411-KH-026	WG-121311-DF-014	WG-121311-DF-013	WG-121411-KH-029	WG-121411-KH-030
Sample Date:	12/12/2011	12/14/2011	12/13/2011	12/13/2011	12/14/2011	12/14/2011
Sample Type:			Duplicate			

Parameters	Units						
SVOCs cont'd)							
2,4-Dinitrotoluene	µg/L	-	-	ND(0.26)	ND(0.26)	-	-
2,6-Dinitrotoluene	µg/L	-	-	ND(0.26)	ND(0.26)	-	-
2-Chloronaphthalene	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
2-Chlorophenol	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
2-Methylnaphthalene	µg/L	-	-	0.0087 J	0.0074 J	-	-
2-Methylphenol	µg/L	-	-	0.45	0.55	-	-
2-Nitroaniline	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
2-Nitrophenol	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
3&4-Methylphenol	µg/L	-	-	0.58	0.72	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	ND(0.26)	ND(0.26)	-	-
3-Nitroaniline	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	ND(0.26)	ND(0.26)	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
4-Chloro-3-methylphenol	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
4-Chloroaniline	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
4-Nitroaniline	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
4-Nitrophenol	µg/L	-	-	ND(0.26)	ND(0.26)	-	-
Acenaphthene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Acenaphthylene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Acetophenone	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Anthracene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Atrazine	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Benzaldehyde	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Benzo(a)anthracene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Benzo(a)pyrene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Benzo(b)fluoranthene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Benzo(g,h,i)perylene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Benzo(k)fluoranthene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	ND(0.051)	ND(0.052)	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	MW-102A	MW-102C	MW-103A	MW-103A	MW-103B	MW-103C
Sample Name:	WG-121211-DF-001	WG-121411-KH-026	WG-121311-DF-014	WG-121311-DF-013	WG-121411-KH-029	WG-121411-KH-030
Sample Date:	12/12/2011	12/14/2011	12/13/2011	12/13/2011	12/14/2011	12/14/2011
Sample Type:			Duplicate			
Parameters	*Units*					
SVOCs cont'd)						
bis(2-Chloroethyl)ether	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	ND(0.1)	ND(0.1)	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Caprolactam	µg/L	-	-	ND(0.26)	ND(0.26)	-	-
Carbazole	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Chrysene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Dibenz(a,h)anthracene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Dibenzofuran	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Diethyl phthalate	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Dimethyl phthalate	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Fluoranthene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Fluorene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Hexachlorobenzene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Hexachlorobutadiene	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Hexachlorocyclopentadiene	µg/L	-	-	ND(0.51)	ND(0.52)	-	-
Hexachloroethane	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Isophorone	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Naphthalene	µg/L	-	-	0.28	0.26	-	-
Nitrobenzene	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
N-Nitrosodiphenylamine	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Pentachlorophenol	µg/L	-	-	ND(0.26)	ND(0.26)	-	-
Phenanthrene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-
Phenol	µg/L	-	-	ND(0.051)	ND(0.052)	-	-
Pyrene	µg/L	-	-	ND(0.01)	ND(0.01)	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-102A*	*MW-102C*	*MW-103A*	*MW-103A*	*MW-103B*	*MW-103C*
	Sample Name:	*WG-121211-DF-001*	*WG-121411-KH-026*	*WG-121311-DF-014*	*WG-121311-DF-013*	*WG-121411-KH-029*	*WG-121411-KH-030*
	Sample Date:	*12/12/2011*	*12/14/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/14/2011*
	Sample Type:			*Duplicate*			
Parameters	*Units*						
Metals							
Arsenic	µg/L	-	-	-	-	-	-
Barium	µg/L	-	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-	-
Lead	µg/L	-	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-	-
Silver	µg/L	-	-	-	-	-	-
Herbicides							
2,4,5-T	µg/L	-	-	-	-	-	-
2,4,5-TP (Silvex)	µg/L	-	-	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-	-	-
PCBs							
Aroclor-1016 (PCB-1016)	µg/L	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	MW-102A	MW-102C	MW-103A	MW-103A	MW-103B	MW-103C
	Sample Name:	WG-121211-DF-001	WG-121411-KH-026	WG-121311-DF-014	WG-121311-DF-013	WG-121411-KH-029	WG-121411-KH-030
	Sample Date:	12/12/2011	12/14/2011	12/13/2011	12/13/2011	12/14/2011	12/14/2011
	Sample Type:			Duplicate			
Parameters	*Units*						
Pesticides							
4,4'-DDD	µg/L	-	-	-	-	-	-
4,4'-DDE	µg/L	-	-	-	-	-	-
4,4'-DDT	µg/L	-	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-
alpha-BHC	µg/L	-	-	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-
beta-BHC	µg/L	-	-	-	-	-	-
delta-BHC	µg/L	-	-	-	-	-	-
Dieldrin	µg/L	-	-	-	-	-	-
Endosulfan I	µg/L	-	-	-	-	-	-
Endosulfan II	µg/L	-	-	-	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	-
Endrin	µg/L	-	-	-	-	-	-
Endrin aldehyde	µg/L	-	-	-	-	-	-
Endrin ketone	µg/L	-	-	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-
Heptachlor	µg/L	-	-	-	-	-	-
Heptachlor epoxide	µg/L	-	-	-	-	-	-
Methoxychlor	µg/L	-	-	-	-	-	-
Toxaphene	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-102A*	*MW-102C*	*MW-103A*	*MW-103A*	*MW-103B*	*MW-103C*
	Sample Name:	*WG-121211-DF-001*	*WG-121411-KH-026*	*WG-121311-DF-014*	*WG-121311-DF-013*	*WG-121411-KH-029*	*WG-121411-KH-030*
	Sample Date:	*12/12/2011*	*12/14/2011*	*12/13/2011*	*12/13/2011*	*12/14/2011*	*12/14/2011*
	Sample Type:			*Duplicate*			
Parameters	*Units*						
Wet							
Cyanide (total)	mg/L	-	-	-	-	-	-
Flash point (closed cup)	Deg F	-	-	-	-	-	-
pH, lab	s.u.	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
–: Not Analyzed
PCBs - Polychlorinated Biphenyls
DRO - Diesel Range Organics
GRO - Gasoline Range Organics
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-104*	*MW-105*	*MW-108*	*MW-109*	*MW-110*	*MW-110A*
	Sample Name:	*WG-121211-DF-003*	*WG-121211-DF-005*	*WG-121211-DF-007*	*WG-121311-KH-012*	*WG-121211-KH-008*	*WG-121311-KH-019*
	Sample Date:	*12/12/2011*	*12/12/2011*	*12/12/2011*	*12/13/2011*	*12/12/2011*	*12/13/2011*
	Sample Type:						
Parameters	*Units*						
Petrl Prod							
Total Petroleum Hydrocarbons (C10-C20) DRO	µg/L	ND(0.53)	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	µg/L	ND(0.1)	-	-	-	-	-
VOCs							
1,1,1-Trichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
1,2-Dibromoethane (Ethylene dibromide)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Hexanone	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	MW-104	MW-105	MW-108	MW-109	MW-110	MW-110A
	Sample Name:	WG-121211-DF-003	WG-121211-DF-005	WG-121211-DF-007	WG-121311-KH-012	WG-121211-KH-008	WG-121311-KH-019
	Sample Date:	12/12/2011	12/12/2011	12/12/2011	12/13/2011	12/12/2011	12/13/2011
	Sample Type:						
Parameters	*Units*						
VOCs (cont'd)							
Chloromethane (Methyl chloride)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	µg/L	ND(0.001)	0.00043 J	ND(0.001)	0.0057	ND(0.001)	0.0016
cis-1,3-Dichloropropene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cyclohexane	µg/L	0.0003 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl acetate	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Methyl cyclohexane	µg/L	0.00068 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	µg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Methylene chloride	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	µg/L	ND(0.001)	0.00034 J	ND(0.001)	0.0003 J	ND(0.001)	0.0062
Toluene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.00073 J	ND(0.001)	ND(0.001)
trans-1,3-Dichloropropene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	µg/L	ND(0.001)	0.0009 J	ND(0.001)	ND(0.001)	ND(0.001)	0.00058 J
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	µg/L	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
SVOCs							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	ND(0.0011)	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	ND(0.0054)	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	ND(0.0054)	-	-	-	-	-
2,4-Dichlorophenol	µg/L	ND(0.0022)	-	-	-	-	-
2,4-Dimethylphenol	µg/L	ND(0.0022)	-	-	-	-	-
2,4-Dinitrophenol	µg/L	ND(0.0054)	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	MW-104	MW-105	MW-108	MW-109	MW-110	MW-110A
	Sample Name:	WG-121211-DF-003	WG-121211-DF-005	WG-121211-DF-007	WG-121311-KH-012	WG-121211-KH-008	WG-121311-KH-019
	Sample Date:	12/12/2011	12/12/2011	12/12/2011	12/13/2011	12/12/2011	12/13/2011
	Sample Type:						
Parameters	*Units*						
SVOCs cont'd)							
2,4-Dinitrotoluene	µg/L	ND(0.0054)	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	ND(0.0054)	-	-	-	-	-
2-Chloronaphthalene	µg/L	ND(0.0011)	-	-	-	-	-
2-Chlorophenol	µg/L	ND(0.0011)	-	-	-	-	-
2-Methylnaphthalene	µg/L	ND(0.00022)	-	-	-	-	-
2-Methylphenol	µg/L	ND(0.0011)	-	-	-	-	-
2-Nitroaniline	µg/L	ND(0.0022)	-	-	-	-	-
2-Nitrophenol	µg/L	ND(0.0022)	-	-	-	-	-
3&4-Methylphenol	µg/L	ND(0.0022)	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	ND(0.0054)	-	-	-	-	-
3-Nitroaniline	µg/L	ND(0.0022)	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	ND(0.0054)	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	ND(0.0022)	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	ND(0.0022)	-	-	-	-	-
4-Chloroaniline	µg/L	ND(0.0022)	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	ND(0.0022)	-	-	-	-	-
4-Nitroaniline	µg/L	ND(0.0022)	-	-	-	-	-
4-Nitrophenol	µg/L	ND(0.0054)	-	-	-	-	-
Acenaphthene	µg/L	ND(0.00022)	-	-	-	-	-
Acenaphthylene	µg/L	ND(0.00022)	-	-	-	-	-
Acetophenone	µg/L	ND(0.0011)	-	-	-	-	-
Anthracene	µg/L	ND(0.00022)	-	-	-	-	-
Atrazine	µg/L	ND(0.0011)	-	-	-	-	-
Benzaldehyde	µg/L	ND(0.0011)	-	-	-	-	-
Benzo(a)anthracene	µg/L	ND(0.00022)	-	-	-	-	-
Benzo(a)pyrene	µg/L	ND(0.00022)	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	ND(0.00022)	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	ND(0.00022)	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	ND(0.00022)	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	ND(0.0011)	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	ND(0.0011)	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	MW-104	MW-105	MW-108	MW-109	MW-110	MW-110A
Sample Name:	WG-121211-DF-003	WG-121211-DF-005	WG-121211-DF-007	WG-121311-KH-012	WG-121211-KH-008	WG-121311-KH-019
Sample Date:	12/12/2011	12/12/2011	12/12/2011	12/13/2011	12/12/2011	12/13/2011
Sample Type:						
Parameters	*Units*					
SVOCs cont'd)						
bis(2-Chloroethyl)ether	µg/L	ND(0.0011)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	ND(0.0022)	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	ND(0.0011)	-	-	-	-	-
Caprolactam	µg/L	ND(0.0054)	-	-	-	-	-
Carbazole	µg/L	ND(0.0011)	-	-	-	-	-
Chrysene	µg/L	ND(0.00022)	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	ND(0.00022)	-	-	-	-	-
Dibenzofuran	µg/L	ND(0.0011)	-	-	-	-	-
Diethyl phthalate	µg/L	ND(0.0011)	-	-	-	-	-
Dimethyl phthalate	µg/L	ND(0.0011)	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	ND(0.0011)	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	ND(0.0011)	-	-	-	-	-
Fluoranthene	µg/L	ND(0.00022)	-	-	-	-	-
Fluorene	µg/L	ND(0.00022)	-	-	-	-	-
Hexachlorobenzene	µg/L	ND(0.00022)	-	-	-	-	-
Hexachlorobutadiene	µg/L	ND(0.0011)	-	-	-	-	-
Hexachlorocyclopentadiene	µg/L	ND(0.011)	-	-	-	-	-
Hexachloroethane	µg/L	ND(0.0011)	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	ND(0.00022)	-	-	-	-	-
Isophorone	µg/L	ND(0.0011)	-	-	-	-	-
Naphthalene	µg/L	ND(0.00022)	-	-	-	-	-
Nitrobenzene	µg/L	ND(0.0011)	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	ND(0.0011)	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	ND(0.0011)	-	-	-	-	-
Pentachlorophenol	µg/L	ND(0.0054)	-	-	-	-	-
Phenanthrene	µg/L	ND(0.00022)	-	-	-	-	-
Phenol	µg/L	ND(0.0011)	-	-	-	-	-
Pyrene	µg/L	ND(0.00022)	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	*MW-104*	*MW-105*	*MW-108*	*MW-109*	*MW-110*	*MW-110A*
Sample Name:	*WG-121211-DF-003*	*WG-121211-DF-005*	*WG-121211-DF-007*	*WG-121311-KH-012*	*WG-121211-KH-008*	*WG-121311-KH-019*
Sample Date:	*12/12/2011*	*12/12/2011*	*12/12/2011*	*12/13/2011*	*12/12/2011*	*12/13/2011*
Sample Type:						
Parameters	***Units***					
Metals						
Arsenic	µg/L	-	-	-	-	-	-
Barium	µg/L	-	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-	-
Lead	µg/L	-	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-	-
Silver	µg/L	-	-	-	-	-	-
Herbicides							
2,4,5-T	µg/L	-	-	-	-	-	-
2,4,5-TP (Silvex)	µg/L	-	-	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-	-	-
PCBs							
Aroclor-1016 (PCB-1016)	µg/L	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	MW-104	MW-105	MW-108	MW-109	MW-110	MW-110A
	Sample Name:	WG-121211-DF-003	WG-121211-DF-005	WG-121211-DF-007	WG-121311-KH-012	WG-121211-KH-008	WG-121311-KH-019
	Sample Date:	12/12/2011	12/12/2011	12/12/2011	12/13/2011	12/12/2011	12/13/2011
	Sample Type:						
Parameters	*Units*						
Pesticides							
4,4'-DDD	µg/L	-	-	-	-	-	-
4,4'-DDE	µg/L	-	-	-	-	-	-
4,4'-DDT	µg/L	-	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-
alpha-BHC	µg/L	-	-	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-
beta-BHC	µg/L	-	-	-	-	-	-
delta-BHC	µg/L	-	-	-	-	-	-
Dieldrin	µg/L	-	-	-	-	-	-
Endosulfan I	µg/L	-	-	-	-	-	-
Endosulfan II	µg/L	-	-	-	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	-
Endrin	µg/L	-	-	-	-	-	-
Endrin aldehyde	µg/L	-	-	-	-	-	-
Endrin ketone	µg/L	-	-	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-
Heptachlor	µg/L	-	-	-	-	-	-
Heptachlor epoxide	µg/L	-	-	-	-	-	-
Methoxychlor	µg/L	-	-	-	-	-	-
Toxaphene	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-104*	*MW-105*	*MW-108*	*MW-109*	*MW-110*	*MW-110A*
	Sample Name:	*WG-121211-DF-003*	*WG-121211-DF-005*	*WG-121211-DF-007*	*WG-121311-KH-012*	*WG-121211-KH-008*	*WG-121311-KH-019*
	Sample Date:	*12/12/2011*	*12/12/2011*	*12/12/2011*	*12/13/2011*	*12/12/2011*	*12/13/2011*
	Sample Type:						
Parameters	*Units*						
Wet							
Cyanide (total)	mg/L	-	-	-	-	-	-
Flash point (closed cup)	Deg F	-	-	-	-	-	-
pH, lab	s.u.	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
--: Not Analyzed
PCBs - Polychlorinated Biphenyls
DRO - Diesel Range Organics
GRO - Gasoline Range Organics
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	MW-111	MW-115A	MW-117A	MW-117B	MW-118A	MW-118B
Sample Name:	WG-121211-KH-004	WG-121211-KH-002	WG-121311-KH-015	WG-121511-KH-033	WG-121311-KH-017	WG-121511-KH-034
Sample Date:	12/12/2011	12/12/2011	12/13/2011	12/15/2011	12/13/2011	12/15/2011
Sample Type:						
Parameters	*Units*					
Petrl Prod						
Total Petroleum Hydrocarbons (C10-C20) DRO	µg/L	-	ND(0.48)	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	µg/L	-	ND(0.1)	-	-	-	-
VOCs						
1,1,1-Trichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
1,2-Dibromoethane (Ethylene dibromide)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Hexanone	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	MW-111	MW-115A	MW-117A	MW-117B	MW-118A	MW-118B
Sample Name:	WG-121211-KH-004	WG-121211-KH-002	WG-121311-KH-015	WG-121511-KH-033	WG-121311-KH-017	WG-121511-KH-034
Sample Date:	12/12/2011	12/12/2011	12/13/2011	12/15/2011	12/13/2011	12/15/2011
Sample Type:						
Parameters	*Units*					
VOCs (cont'd)						
Chloromethane (Methyl chloride)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	µg/L	0.023	ND(0.001)	ND(0.001)	0.0013	0.004	0.025
cis-1,3-Dichloropropene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cyclohexane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl acetate	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Methyl cyclohexane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	µg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Methylene chloride	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	µg/L	0.0019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00089 J
trans-1,3-Dichloropropene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00024 J	ND(0.001)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	µg/L	0.0013	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0038
Xylenes (total)	µg/L	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
SVOCs							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	-	ND(0.00095)	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	ND(0.0048)	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	ND(0.0048)	-	-	-	-
2,4-Dichlorophenol	µg/L	-	ND(0.0019)	-	-	-	-
2,4-Dimethylphenol	µg/L	-	ND(0.0019)	-	-	-	-
2,4-Dinitrophenol	µg/L	-	ND(0.0048)	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	MW-111	MW-115A	MW-117A	MW-117B	MW-118A	MW-118B
Sample Name:	WG-121211-KH-004	WG-121211-KH-002	WG-121311-KH-015	WG-121511-KH-033	WG-121311-KH-017	WG-121511-KH-034
Sample Date:	12/12/2011	12/12/2011	12/13/2011	12/15/2011	12/13/2011	12/15/2011
Sample Type:						
Parameters	*Units*					
SVOCs cont'd)						
2,4-Dinitrotoluene	µg/L	-	ND(0.0048)	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	ND(0.0048)	-	-	-	-
2-Chloronaphthalene	µg/L	-	ND(0.00095)	-	-	-	-
2-Chlorophenol	µg/L	-	ND(0.00095)	-	-	-	-
2-Methylnaphthalene	µg/L	-	ND(0.00019)	-	-	-	-
2-Methylphenol	µg/L	-	ND(0.00095)	-	-	-	-
2-Nitroaniline	µg/L	-	ND(0.0019)	-	-	-	-
2-Nitrophenol	µg/L	-	ND(0.0019)	-	-	-	-
3&4-Methylphenol	µg/L	-	ND(0.0019)	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	ND(0.0048)	-	-	-	-
3-Nitroaniline	µg/L	-	ND(0.0019)	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	ND(0.0048)	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	ND(0.0019)	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	ND(0.0019)	-	-	-	-
4-Chloroaniline	µg/L	-	ND(0.0019)	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	ND(0.0019)	-	-	-	-
4-Nitroaniline	µg/L	-	ND(0.0019)	-	-	-	-
4-Nitrophenol	µg/L	-	ND(0.0048)	-	-	-	-
Acenaphthene	µg/L	-	ND(0.00019)	-	-	-	-
Acenaphthylene	µg/L	-	ND(0.00019)	-	-	-	-
Acetophenone	µg/L	-	ND(0.00095)	-	-	-	-
Anthracene	µg/L	-	ND(0.00019)	-	-	-	-
Atrazine	µg/L	-	ND(0.00095)	-	-	-	-
Benzaldehyde	µg/L	-	ND(0.00095)	-	-	-	-
Benzo(a)anthracene	µg/L	-	ND(0.00019)	-	-	-	-
Benzo(a)pyrene	µg/L	-	ND(0.00019)	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	ND(0.00019)	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	ND(0.00019)	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	ND(0.00019)	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	ND(0.00095)	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	ND(0.00095)	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	MW-111	MW-115A	MW-117A	MW-117B	MW-118A	MW-118B
Sample Name:	WG-121211-KH-004	WG-121211-KH-002	WG-121311-KH-015	WG-121511-KH-033	WG-121311-KH-017	WG-121511-KH-034
Sample Date:	12/12/2011	12/12/2011	12/13/2011	12/15/2011	12/13/2011	12/15/2011
Sample Type:						
Parameters	*Units*					
SVOCs cont'd)						
bis(2-Chloroethyl)ether	µg/L	-	ND(0.00095)	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	ND(0.0019)	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	ND(0.00095)	-	-	-	-
Caprolactam	µg/L	-	ND(0.0048)	-	-	-	-
Carbazole	µg/L	-	ND(0.00095)	-	-	-	-
Chrysene	µg/L	-	ND(0.00019)	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	ND(0.00019)	-	-	-	-
Dibenzofuran	µg/L	-	ND(0.00095)	-	-	-	-
Diethyl phthalate	µg/L	-	ND(0.00095)	-	-	-	-
Dimethyl phthalate	µg/L	-	ND(0.00095)	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	ND(0.00095)	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	ND(0.00095)	-	-	-	-
Fluoranthene	µg/L	-	ND(0.00019)	-	-	-	-
Fluorene	µg/L	-	ND(0.00019)	-	-	-	-
Hexachlorobenzene	µg/L	-	ND(0.00019)	-	-	-	-
Hexachlorobutadiene	µg/L	-	ND(0.00095)	-	-	-	-
Hexachlorocyclopentadiene	µg/L	-	ND(0.0095)	-	-	-	-
Hexachloroethane	µg/L	-	ND(0.00095)	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	ND(0.00019)	-	-	-	-
Isophorone	µg/L	-	ND(0.00095)	-	-	-	-
Naphthalene	µg/L	-	ND(0.00019)	-	-	-	-
Nitrobenzene	µg/L	-	ND(0.00095)	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	ND(0.00095)	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	ND(0.00095)	-	-	-	-
Pentachlorophenol	µg/L	-	ND(0.0048)	-	-	-	-
Phenanthrene	µg/L	-	ND(0.00019)	-	-	-	-
Phenol	µg/L	-	ND(0.00095)	-	-	-	-
Pyrene	µg/L	-	ND(0.00019)	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-111*	*MW-115A*	*MW-117A*	*MW-117B*	*MW-118A*	*MW-118B*
	Sample Name:	*WG-121211-KH-004*	*WG-121211-KH-002*	*WG-121311-KH-015*	*WG-121511-KH-033*	*WG-121311-KH-017*	*WG-121511-KH-034*
	Sample Date:	*12/12/2011*	*12/12/2011*	*12/13/2011*	*12/15/2011*	*12/13/2011*	*12/15/2011*
	Sample Type:						
Parameters	*Units*						
Metals							
Arsenic	µg/L	-	-	-	-	-	-
Barium	µg/L	-	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-	-
Lead	µg/L	-	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-	-
Silver	µg/L	-	-	-	-	-	-
Herbicides							
2,4,5-T	µg/L	-	-	-	-	-	-
2,4,5-TP (Silvex)	µg/L	-	-	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-	-	-
PCBs							
Aroclor-1016 (PCB-1016)	µg/L	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-111*	*MW-115A*	*MW-117A*	*MW-117B*	*MW-118A*	*MW-118B*
	Sample Name:	*WG-121211-KH-004*	*WG-121211-KH-002*	*WG-121311-KH-015*	*WG-121511-KH-033*	*WG-121311-KH-017*	*WG-121511-KH-034*
	Sample Date:	*12/12/2011*	*12/12/2011*	*12/13/2011*	*12/15/2011*	*12/13/2011*	*12/15/2011*
	Sample Type:						
Parameters	*Units*						
Pesticides							
4,4'-DDD	µg/L	-	-	-	-	-	-
4,4'-DDE	µg/L	-	-	-	-	-	-
4,4'-DDT	µg/L	-	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-
alpha-BHC	µg/L	-	-	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-
beta-BHC	µg/L	-	-	-	-	-	-
delta-BHC	µg/L	-	-	-	-	-	-
Dieldrin	µg/L	-	-	-	-	-	-
Endosulfan I	µg/L	-	-	-	-	-	-
Endosulfan II	µg/L	-	-	-	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	-
Endrin	µg/L	-	-	-	-	-	-
Endrin aldehyde	µg/L	-	-	-	-	-	-
Endrin ketone	µg/L	-	-	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-
Heptachlor	µg/L	-	-	-	-	-	-
Heptachlor epoxide	µg/L	-	-	-	-	-	-
Methoxychlor	µg/L	-	-	-	-	-	-
Toxaphene	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-111*	*MW-115A*	*MW-117A*	*MW-117B*	*MW-118A*	*MW-118B*
	Sample Name:	*WG-121211-KH-004*	*WG-121211-KH-002*	*WG-121311-KH-015*	*WG-121511-KH-033*	*WG-121311-KH-017*	*WG-121511-KH-034*
	Sample Date:	*12/12/2011*	*12/12/2011*	*12/13/2011*	*12/15/2011*	*12/13/2011*	*12/15/2011*
	Sample Type:						
Parameters	*Units*						
Wet							
Cyanide (total)	mg/L	-	-	-	-	-	-
Flash point (closed cup)	Deg F	-	-	-	-	-	-
pH, lab	s.u.	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
--: Not Analyzed
PCBs - Polychlorinated Biphenyls
DRO - Diesel Range Organics
GRO - Gasoline Range Organics
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-124A*	*MW-124B*	*MW-125*	*MW-125*	*TMW-123*	*TMW-127*
	Sample Name:	*WG-121311-DF-011*	*WG-121411-KH-024*	*WG-121211-DF-010*	*WG-121211-DF-009*	*WG-121211-KH-006*	*WG-121311-DF-018*
	Sample Date:	*12/13/2011*	*12/14/2011*	*12/12/2011*	*12/12/2011*	*12/12/2011*	*12/13/2011*
	Sample Type:			*Duplicate*			
Parameters	*Units*						
Petrl Prod							
Total Petroleum Hydrocarbons (C10-C20) DRO	µg/L	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	µg/L	-	-	-	-	-	-
VOCs							
1,1,1-Trichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,1,2,2-Tetrachloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,1,2-Trichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,1-Dichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,1-Dichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,2,4-Trichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.013)
1,2-Dibromoethane (Ethylene dibromide)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,2-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,2-Dichloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,2-Dichloropropane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,3-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
1,4-Dichlorobenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.067)
2-Hexanone	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.067)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.067)
Acetone	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.067)
Benzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Bromodichloromethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Bromoform	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Bromomethane (Methyl bromide)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Carbon disulfide	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Carbon tetrachloride	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Chlorobenzene	µg/L	ND(0.001)	0.00016 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Chloroethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Chloroform (Trichloromethane)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	MW-124A	MW-124B	MW-125	MW-125	TMW-123	TMW-127
	Sample Name:	WG-121311-DF-011	WG-121411-KH-024	WG-121211-DF-010	WG-121211-DF-009	WG-121211-KH-006	WG-121311-DF-018
	Sample Date:	12/13/2011	12/14/2011	12/12/2011	12/12/2011	12/12/2011	12/13/2011
	Sample Type:			Duplicate			
Parameters	*Units*						
VOCs (cont'd)							
Chloromethane (Methyl chloride)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
cis-1,2-Dichloroethene	µg/L	ND(0.001)	ND(0.001)	0.0003 J	0.00031 J	0.00067 J	0.14
cis-1,3-Dichloropropene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Cyclohexane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Dibromochloromethane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Ethylbenzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0032 J
Isopropyl benzene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Methyl acetate	µg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.067)
Methyl cyclohexane	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Methyl tert butyl ether (MTBE)	µg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.033)
Methylene chloride	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Styrene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Tetrachloroethene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Toluene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.039
trans-1,2-Dichloroethene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0029 J
trans-1,3-Dichloropropene	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Trichloroethene	µg/L	ND(0.001)	ND(0.001)	0.0002 J	0.00021 J	0.0003 J	ND(0.0067)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0065	ND(0.0067)
Trifluorotrichloroethane (Freon 113)	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0067)
Vinyl chloride	µg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0031 J
Xylenes (total)	µg/L	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.033
SVOCs							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	MW-124A	MW-124B	MW-125	MW-125	TMW-123	TMW-127
	Sample Name:	WG-121311-DF-011	WG-121411-KH-024	WG-121211-DF-010	WG-121211-DF-009	WG-121211-KH-006	WG-121311-DF-018
	Sample Date:	12/13/2011	12/14/2011	12/12/2011	12/12/2011	12/12/2011	12/13/2011
	Sample Type:			Duplicate			
Parameters	*Units*						
SVOCs cont'd)							
2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-
3&4-Methylphenol	µg/L	-	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-
Acenaphthene	µg/L	-	-	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-
Anthracene	µg/L	-	-	-	-	-	-
Atrazine	µg/L	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-124A*	*MW-124B*	*MW-125*	*MW-125*	*TMW-123*	*TMW-127*
	Sample Name:	*WG-121311-DF-011*	*WG-121411-KH-024*	*WG-121211-DF-010*	*WG-121211-DF-009*	*WG-121211-KH-006*	*WG-121311-DF-018*
	Sample Date:	*12/13/2011*	*12/14/2011*	*12/12/2011*	*12/12/2011*	*12/12/2011*	*12/13/2011*
	Sample Type:			*Duplicate*			
Parameters	*Units*						
SVOCs cont'd)							
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	-	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-	-
Chrysene	µg/L	-	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	-	-	-	-
Fluoranthene	µg/L	-	-	-	-	-	-
Fluorene	µg/L	-	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-	-
Hexachlorocyclopentadiene	µg/L	-	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	-	-
Isophorone	µg/L	-	-	-	-	-	-
Naphthalene	µg/L	-	-	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-	-	-
Phenanthrene	µg/L	-	-	-	-	-	-
Phenol	µg/L	-	-	-	-	-	-
Pyrene	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-124A*	*MW-124B*	*MW-125*	*MW-125*	*TMW-123*	*TMW-127*
	Sample Name:	*WG-121311-DF-011*	*WG-121411-KH-024*	*WG-121211-DF-010*	*WG-121211-DF-009*	*WG-121211-KH-006*	*WG-121311-DF-018*
	Sample Date:	*12/13/2011*	*12/14/2011*	*12/12/2011*	*12/12/2011*	*12/12/2011*	*12/13/2011*
	Sample Type:			*Duplicate*			
Parameters	*Units*						
Metals							
Arsenic	µg/L	-	-	-	-	-	-
Barium	µg/L	-	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-	-
Lead	µg/L	-	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-	-
Silver	µg/L	-	-	-	-	-	-
Herbicides							
2,4,5-T	µg/L	-	-	-	-	-	-
2,4,5-TP (Silvex)	µg/L	-	-	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-	-	-
PCBs							
Aroclor-1016 (PCB-1016)	µg/L	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-124A*	*MW-124B*	*MW-125*	*MW-125*	*TMW-123*	*TMW-127*
	Sample Name:	*WG-121311-DF-011*	*WG-121411-KH-024*	*WG-121211-DF-010*	*WG-121211-DF-009*	*WG-121211-KH-006*	*WG-121311-DF-018*
	Sample Date:	*12/13/2011*	*12/14/2011*	*12/12/2011*	*12/12/2011*	*12/12/2011*	*12/13/2011*
	Sample Type:			*Duplicate*			
Parameters	*Units*						
Pesticides							
4,4'-DDD	µg/L	-	-	-	-	-	-
4,4'-DDE	µg/L	-	-	-	-	-	-
4,4'-DDT	µg/L	-	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-	-
alpha-BHC	µg/L	-	-	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-	-
beta-BHC	µg/L	-	-	-	-	-	-
delta-BHC	µg/L	-	-	-	-	-	-
Dieldrin	µg/L	-	-	-	-	-	-
Endosulfan I	µg/L	-	-	-	-	-	-
Endosulfan II	µg/L	-	-	-	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-	-
Endrin	µg/L	-	-	-	-	-	-
Endrin aldehyde	µg/L	-	-	-	-	-	-
Endrin ketone	µg/L	-	-	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-	-
Heptachlor	µg/L	-	-	-	-	-	-
Heptachlor epoxide	µg/L	-	-	-	-	-	-
Methoxychlor	µg/L	-	-	-	-	-	-
Toxaphene	µg/L	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	*MW-124A*	*MW-124B*	*MW-125*	*MW-125*	*TMW-123*	*TMW-127*
	Sample Name:	*WG-121311-DF-011*	*WG-121411-KH-024*	*WG-121211-DF-010*	*WG-121211-DF-009*	*WG-121211-KH-006*	*WG-121311-DF-018*
	Sample Date:	*12/13/2011*	*12/14/2011*	*12/12/2011*	*12/12/2011*	*12/12/2011*	*12/13/2011*
	Sample Type:			*Duplicate*			
Parameters	*Units*						
Wet							
Cyanide (total)	mg/L	-	-	-	-	-	-
Flash point (closed cup)	Deg F	-	-	-	-	-	-
pH, lab	s.u.	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
--: Not Analyzed
PCBs - Polychlorinated Biphenyls
DRO - Diesel Range Organics
GRO - Gasoline Range Organics
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	TMW-139	TMW-143	TMW-144	TMW-145	TMW-146
	Sample Name:	WG-121411-DF-027	WG-121411-DF-028	WG-121411-DF-025	WG-121311-DF-020	WG-121411-DF-023
	Sample Date:	12/14/2011	12/14/2011	12/14/2011	12/13/2011	12/14/2011
	Sample Type:					
Parameters	*Units*					
Petrl Prod						
Total Petroleum Hydrocarbons (C10-C20) DRO	µg/L	-	ND(0.51)	ND(0.53)	ND(0.51)	0.33
Total Petroleum Hydrocarbons (C6-C10) GRO	µg/L	-	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.12)
VOCs						
1,1,1-Trichloroethane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trichlorobenzene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	ND(0.02)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
1,2-Dibromoethane (Ethylene dibromide)	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloropropane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	0.11	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Hexanone	µg/L	ND(0.1)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	ND(0.1)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	µg/L	ND(0.1)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	µg/L	0.045	ND(0.001)	ND(0.001)	ND(0.001)	0.00015 J
Bromodichloromethane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon tetrachloride	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:	TMW-139	TMW-143	TMW-144	TMW-145	TMW-146
Sample Name:	WG-121411-DF-027	WG-121411-DF-028	WG-121411-DF-025	WG-121311-DF-020	WG-121411-DF-023
Sample Date:	12/14/2011	12/14/2011	12/14/2011	12/13/2011	12/14/2011
Sample Type:					
Parameters	*Units*				
VOCs (cont'd)					
Chloromethane (Methyl chloride)	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	µg/L	ND(0.01)	ND(0.001)	0.0071	ND(0.001)	ND(0.001)
cis-1,3-Dichloropropene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cyclohexane	µg/L	0.0015 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	µg/L	0.0081 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl acetate	µg/L	ND(0.1)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Methyl cyclohexane	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	µg/L	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Methylene chloride	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	µg/L	ND(0.01)	0.0011	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	µg/L	ND(0.01)	ND(0.001)	0.00031 J	ND(0.001)	ND(0.001)
trans-1,3-Dichloropropene	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	µg/L	ND(0.01)	ND(0.001)	0.0005 J	ND(0.001)	ND(0.001)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trifluorotrichloroethane (Freon 113)	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	µg/L	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Xylenes (total)	µg/L	ND(0.02)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
SVOCs						
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
2,4,5-Trichlorophenol	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	ND(0.0052)
2,4,6-Trichlorophenol	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	ND(0.0052)
2,4-Dichlorophenol	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
2,4-Dimethylphenol	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
2,4-Dinitrophenol	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	ND(0.0052)

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:		*TMW-139*	*TMW-143*	*TMW-144*	*TMW-145*	*TMW-146*
Sample Name:		*WG-121411-DF-027*	*WG-121411-DF-028*	*WG-121411-DF-025*	*WG-121311-DF-020*	*WG-121411-DF-023*
Sample Date:		*12/14/2011*	*12/14/2011*	*12/14/2011*	*12/13/2011*	*12/14/2011*
Sample Type:						
Parameters	*Units*					
SVOCs cont'd)						
2,4-Dinitrotoluene	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	ND(0.0052)
2,6-Dinitrotoluene	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	ND(0.0052)
2-Chloronaphthalene	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
2-Chlorophenol	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
2-Methylnaphthalene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
2-Methylphenol	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
2-Nitroaniline	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
2-Nitrophenol	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
3&4-Methylphenol	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
3,3'-Dichlorobenzidine	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	R
3-Nitroaniline	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
4,6-Dinitro-2-methylphenol	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	ND(0.0052)
4-Bromophenyl phenyl ether	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
4-Chloro-3-methylphenol	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
4-Chloroaniline	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
4-Chlorophenyl phenyl ether	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
4-Nitroaniline	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
4-Nitrophenol	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	ND(0.0052)
Acenaphthene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Acenaphthylene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Acetophenone	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Anthracene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Atrazine	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Benzaldehyde	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Benzo(a)anthracene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Benzo(a)pyrene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Benzo(b)fluoranthene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Benzo(g,h,i)perylene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Benzo(k)fluoranthene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Biphenyl (1,1-Biphenyl)	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
bis(2-Chloroethoxy)methane	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

Location Name:		*TMW-139*	*TMW-143*	*TMW-144*	*TMW-145*	*TMW-146*
Sample Name:		*WG-121411-DF-027*	*WG-121411-DF-028*	*WG-121411-DF-025*	*WG-121311-DF-020*	*WG-121411-DF-023*
Sample Date:		*12/14/2011*	*12/14/2011*	*12/14/2011*	*12/13/2011*	*12/14/2011*
Sample Type:						
Parameters	*Units*					
SVOCs cont'd)						
bis(2-Chloroethyl)ether	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	ND(0.002)	ND(0.0021)	ND(0.002)	ND(0.0021)
Butyl benzylphthalate (BBP)	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Caprolactam	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	ND(0.0052)
Carbazole	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Chrysene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Dibenz(a,h)anthracene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Dibenzofuran	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Diethyl phthalate	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Dimethyl phthalate	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Di-n-butylphthalate (DBP)	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Di-n-octyl phthalate (DnOP)	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Fluoranthene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Fluorene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Hexachlorobenzene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Hexachlorobutadiene	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Hexachlorocyclopentadiene	µg/L	-	ND(0.0098)	ND(0.011)	ND(0.01)	ND(0.01)
Hexachloroethane	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Indeno(1,2,3-cd)pyrene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Isophorone	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Naphthalene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Nitrobenzene	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
N-Nitrosodi-n-propylamine	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
N-Nitrosodiphenylamine	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Pentachlorophenol	µg/L	-	ND(0.0049)	ND(0.0053)	ND(0.0051)	ND(0.0052)
Phenanthrene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)
Phenol	µg/L	-	ND(0.00098)	ND(0.0011)	ND(0.001)	ND(0.001)
Pyrene	µg/L	-	ND(0.0002)	ND(0.00021)	ND(0.0002)	ND(0.00021)

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	TMW-139	TMW-143	TMW-144	TMW-145	TMW-146
	Sample Name:	WG-121411-DF-027	WG-121411-DF-028	WG-121411-DF-025	WG-121311-DF-020	WG-121411-DF-023
	Sample Date:	12/14/2011	12/14/2011	12/14/2011	12/13/2011	12/14/2011
	Sample Type:					
Parameters	*Units*					
Metals						
Arsenic	µg/L	-	-	-	-	-
Barium	µg/L	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-
Lead	µg/L	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-
Silver	µg/L	-	-	-	-	-
Herbicides						
2,4,5-T	µg/L	-	-	-	-	-
2,4,5-TP (Silvex)	µg/L	-	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-	-
PCBs						
Aroclor-1016 (PCB-1016)	µg/L	-	-	-	-	-
Aroclor-1221 (PCB-1221)	µg/L	-	-	-	-	-
Aroclor-1232 (PCB-1232)	µg/L	-	-	-	-	-
Aroclor-1242 (PCB-1242)	µg/L	-	-	-	-	-
Aroclor-1248 (PCB-1248)	µg/L	-	-	-	-	-
Aroclor-1254 (PCB-1254)	µg/L	-	-	-	-	-
Aroclor-1260 (PCB-1260)	µg/L	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	TMW-139	TMW-143	TMW-144	TMW-145	TMW-146
	Sample Name:	WG-121411-DF-027	WG-121411-DF-028	WG-121411-DF-025	WG-121311-DF-020	WG-121411-DF-023
	Sample Date:	12/14/2011	12/14/2011	12/14/2011	12/13/2011	12/14/2011
	Sample Type:					
Parameters	*Units*					
Pesticides						
4,4'-DDD	µg/L	-	-	-	-	-
4,4'-DDE	µg/L	-	-	-	-	-
4,4'-DDT	µg/L	-	-	-	-	-
Aldrin	µg/L	-	-	-	-	-
alpha-BHC	µg/L	-	-	-	-	-
alpha-Chlordane	µg/L	-	-	-	-	-
beta-BHC	µg/L	-	-	-	-	-
delta-BHC	µg/L	-	-	-	-	-
Dieldrin	µg/L	-	-	-	-	-
Endosulfan I	µg/L	-	-	-	-	-
Endosulfan II	µg/L	-	-	-	-	-
Endosulfan sulfate	µg/L	-	-	-	-	-
Endrin	µg/L	-	-	-	-	-
Endrin aldehyde	µg/L	-	-	-	-	-
Endrin ketone	µg/L	-	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-	-
gamma-Chlordane	µg/L	-	-	-	-	-
Heptachlor	µg/L	-	-	-	-	-
Heptachlor epoxide	µg/L	-	-	-	-	-
Methoxychlor	µg/L	-	-	-	-	-
Toxaphene	µg/L	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I II
KANSAS CITY, KANSAS
DECEMEBER 2011

	Location Name:	TMW-139	TMW-143	TMW-144	TMW-145	TMW-146
	Sample Name:	WG-121411-DF-027	WG-121411-DF-028	WG-121411-DF-025	WG-121311-DF-020	WG-121411-DF-023
	Sample Date:	12/14/2011	12/14/2011	12/14/2011	12/13/2011	12/14/2011
	Sample Type:					
Parameters	*Units*					
Wet						
Cyanide (total)	mg/L	-	-	-	-	-
Flash point (closed cup)	Deg F	-	-	-	-	-
pH, lab	s.u.	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-

Notes:
ND ( ) - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
--: Not Analyzed
PCBs - Polychlorinated Biphenyls
DRO - Diesel Range Organics
GRO - Gasoline Range Organics
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I & II
KANSAS CITY, KANSAS
DECEMBER 2011

Parameter	*Analysis Date*	*Analyte*	*Blank Result*	*Sample ID*	*Qualified Sample Result*	*Units*
VOCs	1/4/2012	Methylene chloride	0.588J	WG-122211-KH-037	2.5 U	µg/L
SVOCs	12/16/2011	bis(2-Ethylhexyl)phthalate (DEHP)	0.952J	WG-121211-DF-003	2.2 U	µg/L
SVOCs	12/18/2011	bis(2-Ethylhexyl)phthalate (DEHP)	0.902J	WG-121211-DF-020	2.0 U	µg/L
GRO	12/19/2011	Total Petroleum Hydrocarbons (C6-C10)	48.6J	WG-121211-DF-003	100 U	µg/L
				WG-121211-KH-002	100 U	µg/L
				WG-121311-DF-020	100 U	µg/L
				WG-121411-DF-023	120 U	µg/L
				WG-121411-DF-025	100 U	µg/L
				WG-121411-DF-028	100 U	µg/L
GRO	1/5/2012	Total Petroleum Hydrocarbons (C6-C10)	29.3J	WG-122211-KH-037	100 U	µg/L

Notes:
GRO Gasoline Range Organics
J Estimated.
SVOCs Semi-Volatile Organic Compounds.
U Not detected
VOCs Volatile Organic Compounds.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I & II
KANSAS CITY, KANSAS
DECEMBER 2011

Parameter	*Associated Sample ID*	*Analyte*	*MS Recovery (percent)*	*MSD Recovery (percent)*	*RPD*	*Control Limits*		*Qualified Sample Result*	*Units*
						Recovery (percent)	*RPD (percent)*		
SVOCs	WG-121411-DF-023	3,3'-Dichlorobenzidine	0	0	NC	10 - 110	30	R	µg/L

Notes:
MS Matrix Spike
MSD Matrix Spike Duplicate
NC No Criteria
R Rejected
RPD Relative Percent Difference
SVOCs Semivolatile Organic Compounds

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE RINSE BLANKS
GROUNDWATER SAMPLING
FAIRFAX PLANT SITES I & II
KANSAS CITY, KANSAS
DECEMBER 2011

Parameter	*Rinse Blank Date*	*Analyte*	*Blank Result*	*Sample ID*	*Qualified Sample Result*	*Units*
VOCs	12/13/111	Toluene	0.23J	WG-121311-KH-017	1.0 U	µg/L
VOCs	12/13/111	Acetone	16	WG-121411-DF-027	100 U	µg/L
				WG-121411-KH-029	10 U	µg/L
				WG-121511-KH-033	10 U	µg/L

Notes:
J Estimated.
U Not detected
VOCs Volatile Organic Compounds

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MEMORANDUM

TO:	Pat Klick	REF. NO.:	012559
FROM:	Susan Scrocchi/amm/3	DATE:	May 23, 2012
C.C.:	Phil Harvey	E-Mail and Hard Copy if Requested	
RE:	**Data Quality Assessment and Validation Groundwater Sampling Fairfax I Site Kansas City, Kansas April - May 2012**		

INTRODUCTION

The following details a quality assessment and validation of the analytical data resulting from the April and May 2012, collection of groundwater samples at Fairfax I Site in Kansas City, Kansas. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Pace Analytical Services, Inc. (Pace), in Lenexa, Kansas in accordance with the methodologies presented in Table 2. The analytical results are summarized in Tables 3a and 3b. The quality control (QC) criteria used to assess the data were established by the methods and with the following guidance documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", USEPA 540/R-99/008, October 1999

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", USEPA 540/R-94/013, February 1994

These guidelines are collectively referred to as "Guidelines" in this memorandum.

SAMPLE QUANTITATION

The laboratory reported detected concentrations of analytes below the laboratory's practical quantitation limit (PQL)/report limit (RL). The detections between the PQL/RL and the method detection limit (MDL) have been qualified as estimated (J).

SAMPLE PRESERVATION AND HOLDING TIMES

Sample holding time periods and preservation requirements are summarized in the analytical methods. All sample extractions and/or analyses were performed within the specified holding times.

All samples were properly preserved and cooled after collection.

METHOD BLANK SAMPLES

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

Method blanks were analyzed at the recommended frequency and all results were non-detect for the compounds of interest with the exception of some low levels of volatile organic compounds (VOCs). Associated sample results with concentrations similar to that found in the blanks were qualified as non-detect. Sample results that were either non-detect or significantly greater than the concentration found in the blank were not impacted and no qualification of the data was necessary. A summary of qualified results is found in Table 4.

SURROGATE COMPOUNDS - ORGANIC ANALYSES

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

All surrogate recoveries were within laboratory control limits, indicating acceptable analytical efficiency.

LABORATORY CONTROL SAMPLE (LCS)

The LCS analysis serves as a monitor of the overall performance. LCSs are prepared with all analytes of interest and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

Laboratory control samples (LCS) were prepared and analyzed for all parameters. All recoveries were within required control limits showing adequate analytical accuracy with the exception of a high acetone recovery. All associated acetone results were non-detect and would not have been impacted by the implied high bias.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To assess the long term accuracy and precision of the analytical methods on various matrices, MS/MSD percent recoveries and relative percent differences (RPDs) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The inorganic control limits are defined by the methods and the "Guidelines", which require recoveries between 75 to 125 percent with RPDs less than 20 percent for water samples and 30 percent for soil samples.

Matrix spikes (MSs) were prepared and analyzed in duplicate at the proper frequency. All recoveries were within required control limits showing adequate analytical accuracy and precision.

FIELD QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

The field QA/QC consisted of two field duplicates and two trip blanks.

TRIP BLANKS

To monitor potential cross-contamination during sample transportation and storage, trip blanks were submitted to the laboratory for analysis.

Most trip blank results were non-detect for the compounds of interest with the exception of some low level concentrations of VOCs. All associated sample results with similar concentrations were qualified as non-detect (see Table 5).

FIELD DUPLICATES

To assess the analytical and sampling precision, field duplicate samples were collected and submitted "blind" to the laboratory, as indicated in Table 1. All sample results outside estimated ranges of detection showed acceptable sampling and analytical precision.

OVERALL ASSESSMENT

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

				Analysis/Parameters									
Sample I.D.	*Location I.D.*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*TCL Volatiles*	*Surfactants*	*TCLP VOCs*	*TCLP SVOCs*	*TCLP Metals*	*TCLP Pesticides*	*TCLP Herbicides*	*RCRA Characteristics*	*PCBs*	*Comments*
GW-042612-JH-01	TMW-149	04/26/12	10:10	X									
GW-042612-JH-02	TMW-140	04/26/12	10:59		X								
GW-042612-JH-03	TMW-154	04/26/12	11:40	X									
GW-042612-JH-04	TMW-142	04/26/12	11:25		X								
GW-042612-JH-05	TMW-157	04/26/12	13:05	X									
GW-042612-JH-06	TMW-141	04/26/12	12:45		X								
GW-042612-JH-07	TMW-152	04/26/12	14:00	X									
GW-042612-JH-08	TMW-130	04/26/12	13:04		X								
GW-042612-JH-09	TMW-148	04/26/12	15:05	X									
GW-042612-JH-10	TMW-139	04/26/12	13:25		X								
GW-042612-JH-11	TMW-155	04/26/12	16:15	X									
GW-042612-JH-14	MW-156	04/26/12	15:25	X									
GW-042612-JH-16	TMW-153	04/26/12	16:10	X									
GW-042712-JH-13	TMW-150	04/27/12	9:10	X									
GW-042712-JH-15	TMW-150	04/27/12	10:00	X									Field duplicate of GW-042712-JH-13
GW-042712-JH-17	TMW-151	04/27/12	10:25	X									
GW-042712-JH-18	TMW-127	04/27/12	9:20	X									
GW-042712-JH-19	MW-125	04/27/12	11:40	X									
GW-042712-JH-20	TMW-147E	04/27/12	10:20	X									
GW-042712-JH-21	GW DRUM COMP-APR2012	04/27/12	12:00			X	X	X	X	X	X	X	
GW-050912-NL-01	TMW-154	05/09/12	10:30	X									
GW-050912-NL-02	TMW-155	05/09/12	11:45	X									
GW-050912-NL-03	MW-156	05/09/12	12:45	X									
GW-050912-NL-04	TMW-153	05/09/12	13:55	X									
GW-050912-NL-05	TMW-157	05/09/12	14:35	X									
GW-050912-NL-06	TMW-150	05/09/12	15:50	X									

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Sample I.D.	*Location I.D.*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*Analysis/Parameters*									*Comments*
				TCL Volatiles	*Surfactants*	*TCLP VOCs*	*TCLP SVOCs*	*TCLP Metals*	*TCLP Pesticides*	*TCLP Herbicides*	*RCRA Characteristics*	*PCBs*	
GW-051012-NL-07	TMW-149	05/10/12	9:55	X									
GW-051012-NL-FD	TMW-149	05/10/12	-	X									Field duplicate of GW-050912-NL-07
GW-051012-NL-08	TMW-148	05/10/12	10:50	X									
GW-051012-NL-09	TMW-147E	05/10/12	12:10	X									
GW-051012-NL-10	TMW-151	05/10/12	13:05	X									
GW-051012-NL-11	TMW-152	05/10/12	14:30	X									
TRIP BLANK	Trip Blank	04/27/12	-	X									
TRIP BLANK	Trip Blank	05/10/12	-	X									

Notes:

PCBs	Polychlorinated Biphenyls.
RCRA	Resource Conservation and Recovery Act
SVOCs	Semi-Volatile Organic Compounds
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
VOCs	Volatile Organic Compounds.
-	Not Applicable.

TABLE 2

SAMPLE HOLDING TIME CRITERIA AND ANALYTICAL METHOD SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameter	*Matrix*	*Analytical Method*
Volatiles	Groundwater	SW-8260 [1]
Surfactants	Groundwater	SM-5540 [2]
TCLP Volatiles	Groundwater	SW-1311/8260 [1]
TCLP Semivolatiles	Groundwater	SW-1311/8270 [1]
TCLP Pesticides	Groundwater	SW-1311/8081 [1]
PCBs	Groundwater	SW-8082 [1]
TCLP Herbicides	Groundwater	SW-1311/8151 [1]
TCLP Metals	Groundwater	SW-1311/6010 [1]
TCLP Mercury	Groundwater	SW-1311/7470 [1]
Ignitability	Groundwater	SW-1010 [1]
Cyanide	Groundwater	SW-9012 [1]
Sulfide	Groundwater	SW-9034 [1]
Free liquid	Groundwater	SW-9045 [1]
Corrosivity	Groundwater	SW-9095 [1]

Notes:

[1] Referenced from "Test Methods for Evaluating Solid Waste," USEPA SW-846, 3rd Edition, 1994 with all subsequent revisions.

[2] "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

PCBs Polychlorinated Biphenyls

TCLP Toxic Characteristic Leaching Procedure

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameters	Units	Location Name:	MW-156	MW-156	MW-125	TMW-127	TMW-130	TMW-139	TMW-140	TMW-141
		Sample Name:	GW-042612-JH-14	GW-050912-NL-03	GW-042712-JH-19	GW-042712-JH-18	GW-042612-JH-08	GW-042612-JH-10	GW-042612-JH-02	GW-042612-JH-06
		Sample Date:	4/26/2012	5/9/2012	4/27/2012	4/27/2012	4/26/2012	4/26/2012	4/26/2012	4/26/2012
		Sample Type:								
VOAs										
1,1,1,2-Tetrachloroethane	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,1,1-Trichloroethane	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,1,2-Trichloroethane	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,1-Dichloroethane	mg/L		0.00034 J	0.00037 J	ND(0.001)	ND(0.001)	-	-	-	-
1,1-Dichloroethene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	0.00042 J	-	-	-	-
1,1-Dichloropropene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,2,3-Trichlorobenzene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,2,3-Trichloropropane	mg/L		ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	-	-	-	-
1,2,4-Trichlorobenzene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,2,4-Trimethylbenzene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	mg/L		ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	-	-	-	-
1,2-Dibromoethane (Ethylene dibromide)	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,2-Dichlorobenzene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,2-Dichloroethane	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,2-Dichloroethene (total)	mg/L		0.113	0.0526	0.00059 J	0.366	-	-	-	-
1,2-Dichloropropane	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,3,5-Trimethylbenzene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,3-Dichlorobenzene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,3-Dichloropropane	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
1,4-Dichlorobenzene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
2,2-Dichloropropane	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L		ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-
2-Chlorotoluene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
2-Hexanone	mg/L		ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
4-Chlorotoluene	mg/L		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L		ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameters	Units	Location Name: / Sample Name: / Sample Date: / Sample Type:							
		MW-156 *GW-042612-JH-14* *4/26/2012*	*MW-156* *GW-050912-NL-03* *5/9/2012*	*MW-125* *GW-042712-JH-19* *4/27/2012*	*TMW-127* *GW-042712-JH-18* *4/27/2012*	*TMW-130* *GW-042612-JH-08* *4/26/2012*	*TMW-139* *GW-042612-JH-10* *4/26/2012*	*TMW-140* *GW-042612-JH-02* *4/26/2012*	*TMW-141* *GW-042612-JH-06* *4/26/2012*
VOAs (Cont'd)									
Acetone	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-
Benzene	mg/L	0.00032 J	0.0003 J	ND(0.001)	0.00012 J	-	-	-	-
Bromobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Bromodichloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Bromoform	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Bromomethane (Methyl bromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Carbon disulfide	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	-	-	-	-
Carbon tetrachloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Chlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Chlorobromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Chloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Chloroform (Trichloromethane)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Chloromethane (Methyl chloride)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
cis-1,2-Dichloroethene	mg/L	0.0999	0.0379	ND(0.001)	0.354	-	-	-	-
cis-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Cymene (p-Isopropyltoluene)	mg/L	ND(0.001)	0.0005 J	ND(0.001)	ND(0.001)	-	-	-	-
Dibromochloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Dibromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Ethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Hexachlorobutadiene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Isopropyl benzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Methyl tert butyl ether (MTBE)	mg/L	ND(0.001)	0.0002 J	ND(0.001)	ND(0.001)	-	-	-	-
Methylene chloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Naphthalene	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-	-	-
N-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
N-Propylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Styrene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
tert-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Tetrachloroethene	mg/L	ND(0.001)	ND(0.001)	0.00043 J	ND(0.001)	-	-	-	-
Toluene	mg/L	0.00011 J	0.00025 J	ND(0.001)	0.0005 J	-	-	-	-

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	*MW-156*	*MW-156*	*MW-125*	*TMW-127*	*TMW-130*	*TMW-139*	*TMW-140*	*TMW-141*
	Sample Name:	*GW-042612-JH-14*	*GW-050912-NL-03*	*GW-042712-JH-19*	*GW-042712-JH-18*	*GW-042612-JH-08*	*GW-042612-JH-10*	*GW-042612-JH-02*	*GW-042612-JH-06*
	Sample Date:	*4/26/2012*	*5/9/2012*	*4/27/2012*	*4/27/2012*	*4/26/2012*	*4/26/2012*	*4/26/2012*	*4/26/2012*
	Sample Type:								
Parameters	*Units*								
VOAs (Cont'd)									
trans-1,2-Dichloroethene	mg/L	0.0135	0.0147	ND(0.001)	0.012	-	-	-	-
trans-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Trichloroethene	mg/L	0.00062 J	0.00054 J	0.00032 J	0.00029 J	-	-	-	-
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-	-	-
Vinyl chloride	mg/L	0.264	0.385	ND(0.001)	0.0059	-	-	-	-
Xylenes (total)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	-	-	-	-
General Chemistry									
Surfactants	mg/L	-	-	-	-	0.36	1.0	0.57	0.80

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Location Name:		TMW-142	TMW-147E	TMW-147E	TMW-148	TMW-148	TMW-149	TMW-149	TMW-149
Sample Name:		GW-042612-JH-04	GW-042712-JH-20	GW-051012-NL-09	GW-042612-JH-09	GW-051012-NL-08	GW-042612-JH-01	GW-051012-NL-FD	GW-051012-NL-07
Sample Date:		4/26/2012	4/27/2012	5/10/2012	4/26/2012	5/10/2012	4/26/2012	5/10/2012	5/10/2012
Sample Type:								Duplicate	
Parameters	*Units*								
VOAs									
1,1,1,2-Tetrachloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,1-Trichloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L	-	0.00041 J	0.00013 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloropropene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichloropropane	mg/L	-	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2,4-Trichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	0.00026 J	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	-	0.177	0.209	0.0028	0.0007 J	0.001	0.001	0.00094 J
1,2-Dichloropropane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3,5-Trimethylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichloropropane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2,2-Dichloropropane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	0.0027 J	ND(0.01)	ND(0.01)	ND(0.01)
2-Chlorotoluene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Hexanone	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Phenylbutane (sec-Butylbenzene)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Chlorotoluene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Location Name:		TMW-142	TMW-147E	TMW-147E	TMW-148	TMW-148	TMW-149	TMW-149	TMW-149
Sample Name:		GW-042612-JH-04	GW-042712-JH-20	GW-051012-NL-09	GW-042612-JH-09	GW-051012-NL-08	GW-042612-JH-01	GW-051012-NL-FD	GW-051012-NL-07
Sample Date:		4/26/2012	4/27/2012	5/10/2012	4/26/2012	5/10/2012	4/26/2012	5/10/2012	5/10/2012
Sample Type:								Duplicate	
Parameters	*Units*								
VOAs (Cont'd)									
Acetone	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	0.0067 J	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	-	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon tetrachloride	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobromomethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloromethane (Methyl chloride)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	-	0.168	0.197	0.0027	0.0007 J	0.001	0.001	0.00094 J
cis-1,3-Dichloropropene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cymene (p-Isopropyltoluene)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromomethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Hexachlorobutadiene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	0.00016 J	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
N-Butylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
N-Propylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
tert-Butylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	-	0.0527	0.034	0.00089 J	0.0008 J	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	-	ND(0.001)	ND(0.001)	0.00016 J	0.00015 J	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Location Name:	TMW-142	TMW-147E	TMW-147E	TMW-148	TMW-148	TMW-149	TMW-149	TMW-149
Sample Name:	GW-042612-JH-04	GW-042712-JH-20	GW-051012-NL-09	GW-042612-JH-09	GW-051012-NL-08	GW-042612-JH-01	GW-051012-NL-FD	GW-051012-NL-07
Sample Date:	4/26/2012	4/27/2012	5/10/2012	4/26/2012	5/10/2012	4/26/2012	5/10/2012	5/10/2012
Sample Type:							Duplicate	
Parameters	*Units*							
VOAs (Cont'd)								
trans-1,2-Dichloroethene	mg/L	-	0.009	0.0121	0.00013 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,3-Dichloropropene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	-	0.0347	0.0275	0.0035	0.0025	0.00029 J	0.00014 J	0.00024 J
Trichlorofluoromethane (CFC-11)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	-	0.00046 J	0.00084 J	ND(0.001)	ND(0.001)	ND(0.001)	0.00011 J	ND(0.001)
Xylenes (total)	mg/L	-	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
General Chemistry									
Surfactants	mg/L	0.38	-	-	-	-	-	-	-

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameters	Units	Location Name: / Sample Name: / Sample Date: / Sample Type:							
		TMW-150 / *GW-042712-JH-15* / *4/27/2012* / *Duplicate*	*TMW-150* / *GW-042712-JH-13* / *4/27/2012*	*TMW-150* / *GW-050912-NL-06* / *5/9/2012*	*TMW-151* / *GW-042712-JH-17* / *4/27/2012*	*TMW-151* / *GW-051012-NL-10* / *5/10/2012*	*TMW-152* / *GW-042612-JH-07* / *4/26/2012*	*TMW-152* / *GW-051012-NL-11* / *5/10/2012*	*TMW-153* / *GW-042612-JH-16* / *4/26/2012*
VOAs									
1,1,1,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,1-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichloropropane	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2,4-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	0.0119	0.0114	0.0105	0.0374	0.0333	0.00036 J	0.00055 J	0.0275
1,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3,5-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Hexanone	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	TMW-150	TMW-150	TMW-150	TMW-151	TMW-151	TMW-152	TMW-152	TMW-153
	Sample Name:	GW-042712-JH-15	GW-042712-JH-13	GW-050912-NL-06	GW-042712-JH-17	GW-051012-NL-10	GW-042612-JH-07	GW-051012-NL-11	GW-042612-JH-16
	Sample Date:	4/27/2012	4/27/2012	5/9/2012	4/27/2012	5/10/2012	4/26/2012	5/10/2012	4/26/2012
	Sample Type:	Duplicate							
Parameters	*Units*								
VOAs (Cont'd)									
Acetone	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	0.00012 J	0.00012 J	0.00012 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon tetrachloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloromethane (Methyl chloride)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.0102	0.0097	0.0089	0.0343	0.0305	ND(0.001)	0.00055 J	0.0263
cis-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cymene (p-Isopropyltoluene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Hexachlorobutadiene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
N-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
N-Propylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
tert-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	0.00047 J	0.00049 J	0.0013	0.0011	0.0013	0.0049	0.0048	ND(0.001)
Toluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	TMW-150	TMW-150	TMW-150	TMW-151	TMW-151	TMW-152	TMW-152	TMW-153
	Sample Name:	GW-042712-JH-15	GW-042712-JH-13	GW-050912-NL-06	GW-042712-JH-17	GW-051012-NL-10	GW-042612-JH-07	GW-051012-NL-11	GW-042612-JH-16
	Sample Date:	4/27/2012	4/27/2012	5/9/2012	4/27/2012	5/10/2012	4/26/2012	5/10/2012	4/26/2012
	Sample Type:	Duplicate							
Parameters	*Units*								
VOAs (Cont'd)									
trans-1,2-Dichloroethene	mg/L	0.0017	0.0017	0.0016	0.0031	0.0028	ND(0.001)	ND(0.001)	0.0012
trans-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.0205	0.0201	0.0203	0.0099	0.0089	0.0013	0.0011	0.0016
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0014	0.0018	ND(0.001)
Vinyl chloride	mg/L	0.00027 J	0.00027 J	0.00032 J	0.00013 J	ND(0.001)	ND(0.001)	ND(0.001)	0.00023 J
Xylenes (total)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
General Chemistry									
Surfactants	mg/L	-	-	-	-	-	-	-	-

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Location Name:	TMW-153	TMW-154	TMW-154	TMW-155	TMW-155	TMW-157	TMW-157
Sample Name:	GW-050912-NL-04	GW-042612-JH-03	GW-050912-NL-01	GW-042612-JH-11	GW-050912-NL-02	GW-042612-JH-05	GW-050912-NL-05
Sample Date:	5/9/2012	4/26/2012	5/9/2012	4/26/2012	5/9/2012	4/26/2012	5/9/2012
Sample Type:							
Parameters	*Units*						
VOAs							
1,1,1,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,1-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.0013	0.0011	ND(0.001)	ND(0.001)
1,1-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichloropropane	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2,4-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	0.0206	0.0064	0.007	0.803	0.735	0.00014 J	0.00028 J
1,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3,5-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Hexanone	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.00054 J

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameters	Units	Location Name: / Sample Name: / Sample Date: / Sample Type:						
		TMW-153 / *GW-050912-NL-04* / *5/9/2012*	*TMW-154* / *GW-042612-JH-03* / *4/26/2012*	*TMW-154* / *GW-050912-NL-01* / *5/9/2012*	*TMW-155* / *GW-042612-JH-11* / *4/26/2012*	*TMW-155* / *GW-050912-NL-02* / *5/9/2012*	*TMW-157* / *GW-042612-JH-05* / *4/26/2012*	*TMW-157* / *GW-050912-NL-05* / *5/9/2012*
VOAs (Cont'd)								
Acetone	mg/L	ND(0.01)	ND(0.01)	0.0096 J	ND(0.01)	0.0037 J	ND(0.01)	0.0045 J
Benzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.00012 J	0.00011 J	ND(0.001)	ND(0.001)
Bromobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon tetrachloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroform (Trichloromethane)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloromethane (Methyl chloride)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.0197	0.0057	0.0061	0.77	0.709	ND(0.001)	0.00028 J
cis-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cymene (p-Isopropyltoluene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Hexachlorobutadiene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
N-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
N-Propylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
tert-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3A

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	*TMW-153*	*TMW-154*	*TMW-154*	*TMW-155*	*TMW-155*	*TMW-157*	*TMW-157*
	Sample Name:	*GW-050912-NL-04*	*GW-042612-JH-03*	*GW-050912-NL-01*	*GW-042612-JH-11*	*GW-050912-NL-02*	*GW-042612-JH-05*	*GW-050912-NL-05*
	Sample Date:	*5/9/2012*	*4/26/2012*	*5/9/2012*	*4/26/2012*	*5/9/2012*	*4/26/2012*	*5/9/2012*
	Sample Type:							
Parameters	*Units*							
VOAs (Cont'd)								
trans-1,2-Dichloroethene	mg/L	0.00097 J	0.00078 J	0.00089 J	0.0339	0.0354	ND(0.001)	ND(0.001)
trans-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.0013	ND(0.001)	ND(0.001)	0.3	0.283	ND(0.001)	ND(0.001)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.00037 J	ND(0.001)	ND(0.001)	0.0053	0.0059	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)
General Chemistry								
Surfactants	mg/L	-	-	-	-	-	-	-

Notes:
J - Estimated.
ND() - Non-detect at associated value.
VOAs - Volatile Organic Analytes.
- - Not Analyzed.

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	*GW DRUM COMP-APR2012*	*MW-156*	*MW-156*	*TMW-125*	*TMW-127*	*TMW-130*	*TMW-139*
	Sample Name:	*GW-042712-JH-21*	*GW-042612-JH-14*	*GW-050912-NL-03*	*GW-042712-JH-19*	*GW-042712-JH-18*	*GW-042612-JH-08*	*GW-042612-JH-10*
	Sample Date:	*4/27/2012*	*4/26/2012*	*5/9/2012*	*4/27/2012*	*4/27/2012*	*4/26/2012*	*4/26/2012*
	Sample Type:							
Parameters	*Units*							
Herbicides								
2,4,5-TP (Silvex)	mg/L	ND(0.02)	-	-	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	ND(0.02)	-	-	-	-	-	-
2,4-Dichlorophenylacetic acid	mg/L	0.0985	-	-	-	-	-	-
Metals								
Arsenic	mg/L	ND(0.50)	-	-	-	-	-	-
Barium	mg/L	0.24 J	-	-	-	-	-	-
Cadmium	mg/L	ND(0.050)	-	-	-	-	-	-
Chromium	mg/L	ND(0.10)	-	-	-	-	-	-
Lead	mg/L	ND(0.50)	-	-	-	-	-	-
Mercury	mg/L	ND(0.002)	-	-	-	-	-	-
Selenium	mg/L	ND(0.50)	-	-	-	-	-	-
Silver	mg/L	ND(0.10)	-	-	-	-	-	-
Misc								
Surfactants	mg/L	-	-	-	-	-	0.36	1.0
PCBs								
Aroclor-1016 (PCB-1016)	mg/L	ND(0.001)	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	ND(0.001)	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	ND(0.001)	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	ND(0.001)	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	ND(0.001)	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	ND(0.001)	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	ND(0.001)	-	-	-	-	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	GW DRUM COMP-APR2012	MW-156	MW-156	TMW-125	TMW-127	TMW-130	TMW-139
	Sample Name:	GW-042712-JH-21	GW-042612-JH-14	GW-050912-NL-03	GW-042712-JH-19	GW-042712-JH-18	GW-042612-JH-08	GW-042612-JH-10
	Sample Date:	4/27/2012	4/26/2012	5/9/2012	4/27/2012	4/27/2012	4/26/2012	4/26/2012
	Sample Type:							
Parameters	*Units*							
Pesticides								
(PCB 209) Decachlorobiphenyl	mg/L	0.00136	-	-	-	-	-	-
Chlordane	mg/L	ND(0.005)	-	-	-	-	-	-
Endrin	mg/L	ND(0.001)	-	-	-	-	-	-
gamma-BHC (lindane)	mg/L	ND(0.0005)	-	-	-	-	-	-
Heptachlor	mg/L	ND(0.0005)	-	-	-	-	-	-
Heptachlor epoxide	mg/L	ND(0.0005)	-	-	-	-	-	-
Methoxychlor	mg/L	ND(0.005)	-	-	-	-	-	-
Tetrachloro-m-xylene	mg/L	0.00123	-	-	-	-	-	-
Toxaphene	mg/L	ND(0.02)	-	-	-	-	-	-
SVOAs								
1,4-Dichlorobenzene	mg/L	ND(0.1)	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	ND(0.5)	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	ND(0.1)	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	ND(0.1)	-	-	-	-	-	-
2-Methylphenol	mg/L	ND(0.1)	-	-	-	-	-	-
3&4-Methylphenol	mg/L	0.015 J	-	-	-	-	-	-
Hexachlorobenzene	mg/L	ND(0.1)	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	ND(0.1)	-	-	-	-	-	-
Hexachloroethane	mg/L	ND(0.1)	-	-	-	-	-	-
Nitrobenzene	mg/L	ND(0.1)	-	-	-	-	-	-
Pentachlorophenol	mg/L	ND(0.5)	-	-	-	-	-	-
Pyridine	mg/L	ND(0.1)	-	-	-	-	-	-
VOAs								
1,1,1,2-Tetrachloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,1,1-Trichloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,1,2,2-Tetrachloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,1,2-Trichloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,1-Dichloroethane	mg/L	-	0.00034 J	0.00037 J	ND(0.001)	ND(0.001)	-	-
1,1-Dichloroethene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	0.00042 J	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Location Name:	GW DRUM COMP-APR2012	MW-156	MW-156	TMW-125	TMW-127	TMW-130	TMW-139
Sample Name:	GW-042712-JH-21	GW-042612-JH-14	GW-050912-NL-03	GW-042712-JH-19	GW-042712-JH-18	GW-042612-JH-08	GW-042612-JH-10
Sample Date:	4/27/2012	4/26/2012	5/9/2012	4/27/2012	4/27/2012	4/26/2012	4/26/2012
Sample Type:							
Parameters	*Units*						
VOAs (Cont'd)							
1,1-Dichloropropene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,2,3-Trichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,2,3-Trichloropropane	mg/L	-	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	-	-
1,2,4-Trichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,2,4-Trimethylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	-	-
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,2-Dichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,2-Dichloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,2-Dichloroethene (total)	mg/L	-	0.113	0.0526	0.00059 J	0.366	-	-
1,2-Dichloropropane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,3,5-Trimethylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,3-Dichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,3-Dichloropropane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
1,4-Dichlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
2,2-Dichloropropane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-
2-Chlorotoluene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
2-Hexanone	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-
2-Phenylbutane (sec-Butylbenzene)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
4-Chlorotoluene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-
Acetone	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-
Benzene	mg/L	-	0.00032 J	0.0003 J	ND(0.001)	0.00012 J	-	-
Bromobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Bromodichloromethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Bromoform	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Bromomethane (Methyl bromide)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Carbon disulfide	mg/L	-	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	-	-
Carbon tetrachloride	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Chlorobenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Chlorobromomethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Chloroethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	GW DRUM COMP-APR2012	MW-156	MW-156	TMW-125	TMW-127	TMW-130	TMW-139
	Sample Name:	GW-042712-JH-21	GW-042612-JH-14	GW-050912-NL-03	GW-042712-JH-19	GW-042712-JH-18	GW-042612-JH-08	GW-042612-JH-10
	Sample Date:	4/27/2012	4/26/2012	5/9/2012	4/27/2012	4/27/2012	4/26/2012	4/26/2012
	Sample Type:							
Parameters	*Units*							
VOAs (Cont'd)								
Chloroform (Trichloromethane)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Chloromethane (Methyl chloride)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
cis-1,2-Dichloroethene	mg/L	-	0.0999	0.0379	ND(0.001)	0.354	-	-
cis-1,3-Dichloropropene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Cymene (p-Isopropyltoluene)	mg/L	-	ND(0.001)	0.0005 J	ND(0.001)	ND(0.001)	-	-
Dibromochloromethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Dibromomethane	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Dichlorodifluoromethane (CFC-12)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Ethylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Hexachlorobutadiene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Isopropyl benzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Methyl tert butyl ether (MTBE)	mg/L	-	ND(0.001)	0.0002 J	ND(0.001)	ND(0.001)	-	-
Methylene chloride	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Naphthalene	mg/L	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	-	-
N-Butylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
N-Propylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Styrene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
tert-Butylbenzene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Tetrachloroethene	mg/L	-	ND(0.001)	ND(0.001)	0.00043 J	ND(0.001)	-	-
Toluene	mg/L	-	0.00011 J	0.00025 J	ND(0.001)	0.0005 J	-	-
trans-1,2-Dichloroethene	mg/L	-	0.0135	0.0147	ND(0.001)	0.012	-	-
trans-1,3-Dichloropropene	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Trichloroethene	mg/L	-	0.00062 J	0.00054 J	0.00032 J	0.00029 J	-	-
Trichlorofluoromethane (CFC-11)	mg/L	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	-	-
Vinyl chloride	mg/L	-	0.264	0.385	ND(0.001)	0.0059	-	-
Xylenes (total)	mg/L	-	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	GW DRUM COMP-APR2012	MW-156	MW-156	TMW-125	TMW-127	TMW-130	TMW-139
	Sample Name:	GW-042712-JH-21	GW-042612-JH-14	GW-050912-NL-03	GW-042712-JH-19	GW-042712-JH-18	GW-042612-JH-08	GW-042612-JH-10
	Sample Date:	4/27/2012	4/26/2012	5/9/2012	4/27/2012	4/27/2012	4/26/2012	4/26/2012
	Sample Type:							
Parameters	*Units*							
VOAs								
1,1-Dichloroethene	mg/L	ND(0.05)	-	-	-	-	-	-
1,2-Dichloroethane	mg/L	ND(0.05)	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	ND(1)	-	-	-	-	-	-
Benzene	mg/L	ND(0.05)	-	-	-	-	-	-
Carbon tetrachloride	mg/L	ND(0.05)	-	-	-	-	-	-
Chlorobenzene	mg/L	ND(0.05)	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	ND(0.2)	-	-	-	-	-	-
Tetrachloroethene	mg/L	ND(0.05)	-	-	-	-	-	-
Trichloroethene	mg/L	ND(0.05)	-	-	-	-	-	-
Vinyl chloride	mg/L	ND(0.1)	-	-	-	-	-	-
Wet								
Flash point (closed cup)	Deg F	ND(78.0)>210	-	-	-	-	-	-
Free liquid	none	ND()Pos	-	-	-	-	-	-
pH (@ 25C)	s.u.	7.6	-	-	-	-	-	-
Reactive cyanide	mg/L	0.0014 J	-	-	-	-	-	-
Reactive sulfide	mg/L	ND(10.0)	-	-	-	-	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameters	Units	Location Name: / Sample Name: / Sample Date: / Sample Type:						
		TMW-140 *GW-042612-JH-02* *4/26/2012*	*TMW-141* *GW-042612-JH-06* *4/26/2012*	*TMW-142* *GW-042612-JH-04* *4/26/2012*	*TMW-147E* *GW-042712-JH-20* *4/27/2012*	*TMW-147E* *GW-051012-NL-09* *5/10/2012*	*TMW-148* *GW-042612-JH-09* *4/26/2012*	*TMW-148* *GW-051012-NL-08* *5/10/2012*
Herbicides								
2,4,5-TP (Silvex)	mg/L	-	-	-	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	-	-	-	-	-	-	-
2,4-Dichlorophenylacetic acid	mg/L	-	-	-	-	-	-	-
Metals								
Arsenic	mg/L	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-
Misc								
Surfactants	mg/L	0.57	0.80	0.38	-	-	-	-
PCBs								
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameters	Units	Location Name:	TMW-140	TMW-141	TMW-142	TMW-147E	TMW-147E	TMW-148	TMW-148
		Sample Name:	GW-042612-JH-02	GW-042612-JH-06	GW-042612-JH-04	GW-042712-JH-20	GW-051012-NL-09	GW-042612-JH-09	GW-051012-NL-08
		Sample Date:	4/26/2012	4/26/2012	4/26/2012	4/27/2012	5/10/2012	4/26/2012	5/10/2012
		Sample Type:							
Pesticides									
(PCB 209) Decachlorobiphenyl	mg/L		-	-	-	-	-	-	-
Chlordane	mg/L		-	-	-	-	-	-	-
Endrin	mg/L		-	-	-	-	-	-	-
gamma-BHC (lindane)	mg/L		-	-	-	-	-	-	-
Heptachlor	mg/L		-	-	-	-	-	-	-
Heptachlor epoxide	mg/L		-	-	-	-	-	-	-
Methoxychlor	mg/L		-	-	-	-	-	-	-
Tetrachloro-m-xylene	mg/L		-	-	-	-	-	-	-
Toxaphene	mg/L		-	-	-	-	-	-	-
SVOAs									
1,4-Dichlorobenzene	mg/L		-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L		-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L		-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L		-	-	-	-	-	-	-
2-Methylphenol	mg/L		-	-	-	-	-	-	-
3&4-Methylphenol	mg/L		-	-	-	-	-	-	-
Hexachlorobenzene	mg/L		-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L		-	-	-	-	-	-	-
Hexachloroethane	mg/L		-	-	-	-	-	-	-
Nitrobenzene	mg/L		-	-	-	-	-	-	-
Pentachlorophenol	mg/L		-	-	-	-	-	-	-
Pyridine	mg/L		-	-	-	-	-	-	-
VOAs									
1,1,1,2-Tetrachloroethane	mg/L		-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,1-Trichloroethane	mg/L		-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	mg/L		-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	mg/L		-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	mg/L		-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L		-	-	-	0.00041 J	0.00013 J	ND(0.001)	ND(0.001)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Location Name:	TMW-140	TMW-141	TMW-142	TMW-147E	TMW-147E	TMW-148	TMW-148
Sample Name:	GW-042612-JH-02	GW-042612-JH-06	GW-042612-JH-04	GW-042712-JH-20	GW-051012-NL-09	GW-042612-JH-09	GW-051012-NL-08
Sample Date:	4/26/2012	4/26/2012	4/26/2012	4/27/2012	5/10/2012	4/26/2012	5/10/2012
Sample Type:							
Parameters	*Units*						
VOAs (Cont'd)							
1,1-Dichloropropene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichlorobenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichloropropane	mg/L	-	-	-	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2,4-Trichlorobenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	0.00026 J
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	-	-	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	-	-	-	0.177	0.209	0.0028	0.0007 J
1,2-Dichloropropane	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3,5-Trimethylbenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichloropropane	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2,2-Dichloropropane	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	-	-	ND(0.01)	ND(0.01)	ND(0.01)	0.0027 J
2-Chlorotoluene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Hexanone	mg/L	-	-	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Phenylbutane (sec-Butylbenzene)	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Chlorotoluene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	-	-	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	-	-	-	ND(0.01)	ND(0.01)	ND(0.01)	0.0067 J
Benzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromobenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	-	-	-	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon tetrachloride	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobromomethane	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	TMW-140	TMW-141	TMW-142	TMW-147E	TMW-147E	TMW-148	TMW-148
	Sample Name:	GW-042612-JH-02	GW-042612-JH-06	GW-042612-JH-04	GW-042712-JH-20	GW-051012-NL-09	GW-042612-JH-09	GW-051012-NL-08
	Sample Date:	4/26/2012	4/26/2012	4/26/2012	4/27/2012	5/10/2012	4/26/2012	5/10/2012
	Sample Type:							
Parameters	*Units*							
VOAs (Cont'd)								
Chloroform (Trichloromethane)	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloromethane (Methyl chloride)	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	-	-	-	0.168	0.197	0.0027	0.0007 J
cis-1,3-Dichloropropene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cymene (p-Isopropyltoluene)	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromomethane	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	0.00016 J
Hexachlorobutadiene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	-	-	-	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
N-Butylbenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
N-Propylbenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
tert-Butylbenzene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	-	-	-	0.0527	0.034	0.00089 J	0.0008 J
Toluene	mg/L	-	-	-	ND(0.001)	ND(0.001)	0.00016 J	0.00015 J
trans-1,2-Dichloroethene	mg/L	-	-	-	0.009	0.0121	0.00013 J	ND(0.001)
trans-1,3-Dichloropropene	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	-	-	-	0.0347	0.0275	0.0035	0.0025
Trichlorofluoromethane (CFC-11)	mg/L	-	-	-	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	-	-	-	0.00046 J	0.00084 J	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	-	-	-	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameters	Units	Location Name: / Sample Name: / Sample Date: / Sample Type:						
		TMW-140 *GW-042612-JH-02* *4/26/2012*	*TMW-141* *GW-042612-JH-06* *4/26/2012*	*TMW-142* *GW-042612-JH-04* *4/26/2012*	*TMW-147E* *GW-042712-JH-20* *4/27/2012*	*TMW-147E* *GW-051012-NL-09* *5/10/2012*	*TMW-148* *GW-042612-JH-09* *4/26/2012*	*TMW-148* *GW-051012-NL-08* *5/10/2012*
VOAs								
1,1-Dichloroethene	mg/L	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/L	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	-	-	-	-	-	-
Benzene	mg/L	-	-	-	-	-	-	-
Carbon tetrachloride	mg/L	-	-	-	-	-	-	-
Chlorobenzene	mg/L	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	-	-	-	-	-	-	-
Trichloroethene	mg/L	-	-	-	-	-	-	-
Vinyl chloride	mg/L	-	-	-	-	-	-	-
Wet								
Flash point (closed cup)	Deg F	-	-	-	-	-	-	-
Free liquid	none	-	-	-	-	-	-	-
pH (@ 25C)	s.u.	-	-	-	-	-	-	-
Reactive cyanide	mg/L	-	-	-	-	-	-	-
Reactive sulfide	mg/L	-	-	-	-	-	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	*TMW-149*	*TMW-149*	*TMW-149*	*TMW-150*	*TMW-150*	*TMW-150*	*TMW-151*
	Sample Name:	*GW-042612-JH-01*	*GW-051012-NL-FD*	*GW-051012-NL-07*	*GW-042712-JH-15*	*GW-042712-JH-13*	*GW-050912-NL-06*	*GW-042712-JH-17*
	Sample Date:	*4/26/2012*	*5/10/2012*	*5/10/2012*	*4/27/2012*	*4/27/2012*	*5/9/2012*	*4/27/2012*
	Sample Type:		*Duplicate*		*Duplicate*			
Parameters	*Units*							
Herbicides								
2,4,5-TP (Silvex)	mg/L	-	-	-	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	-	-	-	-	-	-	-
2,4-Dichlorophenylacetic acid	mg/L	-	-	-	-	-	-	-
Metals								
Arsenic	mg/L	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-
Misc								
Surfactants	mg/L	-	-	-	-	-	-	-
PCBs								
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	TMW-149	TMW-149	TMW-149	TMW-150	TMW-150	TMW-150	TMW-151
	Sample Name:	GW-042612-JH-01	GW-051012-NL-FD	GW-051012-NL-07	GW-042712-JH-15	GW-042712-JH-13	GW-050912-NL-06	GW-042712-JH-17
	Sample Date:	4/26/2012	5/10/2012	5/10/2012	4/27/2012	4/27/2012	5/9/2012	4/27/2012
	Sample Type:		Duplicate		Duplicate			
Parameters	*Units*							
Pesticides								
(PCB 209) Decachlorobiphenyl	mg/L	-	-	-	-	-	-	-
Chlordane	mg/L	-	-	-	-	-	-	-
Endrin	mg/L	-	-	-	-	-	-	-
gamma-BHC (lindane)	mg/L	-	-	-	-	-	-	-
Heptachlor	mg/L	-	-	-	-	-	-	-
Heptachlor epoxide	mg/L	-	-	-	-	-	-	-
Methoxychlor	mg/L	-	-	-	-	-	-	-
Tetrachloro-m-xylene	mg/L	-	-	-	-	-	-	-
Toxaphene	mg/L	-	-	-	-	-	-	-
SVOAs								
1,4-Dichlorobenzene	mg/L	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	-	-	-	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	-	-
Pyridine	mg/L	-	-	-	-	-	-	-
VOAs								
1,1,1,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,1-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Location Name:	*TMW-149*	*TMW-149*	*TMW-149*	*TMW-150*	*TMW-150*	*TMW-150*	*TMW-151*
Sample Name:	*GW-042612-JH-01*	*GW-051012-NL-FD*	*GW-051012-NL-07*	*GW-042712-JH-15*	*GW-042712-JH-13*	*GW-050912-NL-06*	*GW-042712-JH-17*
Sample Date:	*4/26/2012*	*5/10/2012*	*5/10/2012*	*4/27/2012*	*4/27/2012*	*5/9/2012*	*4/27/2012*
Sample Type:		*Duplicate*		*Duplicate*			
Parameters	*Units*						
VOAs (Cont'd)							
1,1-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichloropropane	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2,4-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	0.001	0.001	0.00094 J	0.0119	0.0114	0.0105	0.0374
1,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3,5-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Hexanone	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.00012 J	0.00012 J	0.00012 J	ND(0.001)
Bromobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon tetrachloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameters	Units	Location Name: TMW-149 Sample Name: GW-042612-JH-01 Sample Date: 4/26/2012 Sample Type:	TMW-149 GW-051012-NL-FD 5/10/2012 Duplicate	TMW-149 GW-051012-NL-07 5/10/2012	TMW-150 GW-042712-JH-15 4/27/2012 Duplicate	TMW-150 GW-042712-JH-13 4/27/2012	TMW-150 GW-050912-NL-06 5/9/2012	TMW-151 GW-042712-JH-17 4/27/2012
VOAs (Cont'd)								
Chloroform (Trichloromethane)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloromethane (Methyl chloride)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.001	0.001	0.00094 J	0.0102	0.0097	0.0089	0.0343
cis-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cymene (p-Isopropyltoluene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Hexachlorobutadiene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
N-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
N-Propylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
tert-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.00047 J	0.00049 J	0.0013	0.0011
Toluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.0017	0.0017	0.0016	0.0031
trans-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.00029 J	0.00014 J	0.00024 J	0.0205	0.0201	0.0203	0.0099
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	ND(0.001)	0.00011 J	ND(0.001)	0.00027 J	0.00027 J	0.00032 J	0.00013 J
Xylenes (total)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	TMW-149	TMW-149	TMW-149	TMW-150	TMW-150	TMW-150	TMW-151
	Sample Name:	GW-042612-JH-01	GW-051012-NL-FD	GW-051012-NL-07	GW-042712-JH-15	GW-042712-JH-13	GW-050912-NL-06	GW-042712-JH-17
	Sample Date:	4/26/2012	5/10/2012	5/10/2012	4/27/2012	4/27/2012	5/9/2012	4/27/2012
	Sample Type:		Duplicate		Duplicate			
Parameters	*Units*							
VOAs								
1,1-Dichloroethene	mg/L	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/L	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	-	-	-	-	-	-
Benzene	mg/L	-	-	-	-	-	-	-
Carbon tetrachloride	mg/L	-	-	-	-	-	-	-
Chlorobenzene	mg/L	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	-	-	-	-	-	-	-
Trichloroethene	mg/L	-	-	-	-	-	-	-
Vinyl chloride	mg/L	-	-	-	-	-	-	-
Wet								
Flash point (closed cup)	Deg F	-	-	-	-	-	-	-
Free liquid	none	-	-	-	-	-	-	-
pH (@ 25C)	s.u.	-	-	-	-	-	-	-
Reactive cyanide	mg/L	-	-	-	-	-	-	-
Reactive sulfide	mg/L	-	-	-	-	-	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	TMW-151	TMW-152	TMW-152	TMW-153	TMW-153	TMW-154	TMW-154
	Sample Name:	GW-051012-NL-10	GW-042612-JH-07	GW-051012-NL-11	GW-042612-JH-16	GW-050912-NL-04	GW-042612-JH-03	GW-050912-NL-01
	Sample Date:	5/10/2012	4/26/2012	5/10/2012	4/26/2012	5/9/2012	4/26/2012	5/9/2012
	Sample Type:							
Parameters	*Units*							
Herbicides								
2,4,5-TP (Silvex)	mg/L	-	-	-	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	-	-	-	-	-	-	-
2,4-Dichlorophenylacetic acid	mg/L	-	-	-	-	-	-	-
Metals								
Arsenic	mg/L	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-
Misc								
Surfactants	mg/L	-	-	-	-	-	-	-
PCBs								
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Location Name:	TMW-151	TMW-152	TMW-152	TMW-153	TMW-153	TMW-154	TMW-154
Sample Name:	GW-051012-NL-10	GW-042612-JH-07	GW-051012-NL-11	GW-042612-JH-16	GW-050912-NL-04	GW-042612-JH-03	GW-050912-NL-01
Sample Date:	5/10/2012	4/26/2012	5/10/2012	4/26/2012	5/9/2012	4/26/2012	5/9/2012
Sample Type:							
Parameters	*Units*						
Pesticides							
(PCB 209) Decachlorobiphenyl	mg/L	-	-	-	-	-	-	-
Chlordane	mg/L	-	-	-	-	-	-	-
Endrin	mg/L	-	-	-	-	-	-	-
gamma-BHC (lindane)	mg/L	-	-	-	-	-	-	-
Heptachlor	mg/L	-	-	-	-	-	-	-
Heptachlor epoxide	mg/L	-	-	-	-	-	-	-
Methoxychlor	mg/L	-	-	-	-	-	-	-
Tetrachloro-m-xylene	mg/L	-	-	-	-	-	-	-
Toxaphene	mg/L	-	-	-	-	-	-	-
SVOAs							
1,4-Dichlorobenzene	mg/L	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-	-	-	-
3&4-Methylphenol	mg/L	-	-	-	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	-	-
Pyridine	mg/L	-	-	-	-	-	-	-
VOAs							
1,1,1,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,1-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Location Name:	TMW-151	TMW-152	TMW-152	TMW-153	TMW-153	TMW-154	TMW-154
Sample Name:	GW-051012-NL-10	GW-042612-JH-07	GW-051012-NL-11	GW-042612-JH-16	GW-050912-NL-04	GW-042612-JH-03	GW-050912-NL-01
Sample Date:	5/10/2012	4/26/2012	5/10/2012	4/26/2012	5/9/2012	4/26/2012	5/9/2012
Sample Type:							
Parameters	*Units*						
VOAs (Cont'd)							
1,1-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichloropropane	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2,4-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	0.0333	0.00036 J	0.00055 J	0.0275	0.0206	0.0064	0.007
1,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3,5-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Hexanone	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Acetone	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.0096 J
Benzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon tetrachloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	TMW-151	TMW-152	TMW-152	TMW-153	TMW-153	TMW-154	TMW-154
	Sample Name:	GW-051012-NL-10	GW-042612-JH-07	GW-051012-NL-11	GW-042612-JH-16	GW-050912-NL-04	GW-042612-JH-03	GW-050912-NL-01
	Sample Date:	5/10/2012	4/26/2012	5/10/2012	4/26/2012	5/9/2012	4/26/2012	5/9/2012
	Sample Type:							
Parameters	*Units*							
VOAs (Cont'd)								
Chloroform (Trichloromethane)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloromethane (Methyl chloride)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.0305	ND(0.001)	0.00055 J	0.0263	0.0197	0.0057	0.0061
cis-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cymene (p-Isopropyltoluene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Hexachlorobutadiene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
N-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
N-Propylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
tert-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	0.0013	0.0049	0.0048	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.0028	ND(0.001)	ND(0.001)	0.0012	0.00097 J	0.00078 J	0.00089 J
trans-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.0089	0.0013	0.0011	0.0016	0.0013	ND(0.001)	ND(0.001)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.001)	0.0014	0.0018	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.00023 J	0.00037 J	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	TMW-151	TMW-152	TMW-152	TMW-153	TMW-153	TMW-154	TMW-154
	Sample Name:	GW-051012-NL-10	GW-042612-JH-07	GW-051012-NL-11	GW-042612-JH-16	GW-050912-NL-04	GW-042612-JH-03	GW-050912-NL-01
	Sample Date:	5/10/2012	4/26/2012	5/10/2012	4/26/2012	5/9/2012	4/26/2012	5/9/2012
	Sample Type:							
Parameters	*Units*							
VOAs								
1,1-Dichloroethene	mg/L	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/L	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	-	-	-	-	-	-
Benzene	mg/L	-	-	-	-	-	-	-
Carbon tetrachloride	mg/L	-	-	-	-	-	-	-
Chlorobenzene	mg/L	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	-	-	-	-	-	-	-
Trichloroethene	mg/L	-	-	-	-	-	-	-
Vinyl chloride	mg/L	-	-	-	-	-	-	-
Wet								
Flash point (closed cup)	Deg F	-	-	-	-	-	-	-
Free liquid	none	-	-	-	-	-	-	-
pH (@ 25C)	s.u.	-	-	-	-	-	-	-
Reactive cyanide	mg/L	-	-	-	-	-	-	-
Reactive sulfide	mg/L	-	-	-	-	-	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	*TMW-155*	*TMW-155*	*TMW-157*	*TMW-157*
	Sample Name:	*GW-042612-JH-11*	*GW-050912-NL-02*	*GW-042612-JH-05*	*GW-050912-NL-05*
	Sample Date:	*4/26/2012*	*5/9/2012*	*4/26/2012*	*5/9/2012*
	Sample Type:				
Parameters	*Units*				
Herbicides					
2,4,5-TP (Silvex)	mg/L	-	-	-	-
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	-	-	-	-
2,4-Dichlorophenylacetic acid	mg/L	-	-	-	-
Metals					
Arsenic	mg/L	-	-	-	-
Barium	mg/L	-	-	-	-
Cadmium	mg/L	-	-	-	-
Chromium	mg/L	-	-	-	-
Lead	mg/L	-	-	-	-
Mercury	mg/L	-	-	-	-
Selenium	mg/L	-	-	-	-
Silver	mg/L	-	-	-	-
Misc					
Surfactants	mg/L	-	-	-	-
PCBs					
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	*TMW-155*	*TMW-155*	*TMW-157*	*TMW-157*
	Sample Name:	*GW-042612-JH-11*	*GW-050912-NL-02*	*GW-042612-JH-05*	*GW-050912-NL-05*
	Sample Date:	*4/26/2012*	*5/9/2012*	*4/26/2012*	*5/9/2012*
	Sample Type:				
Parameters	*Units*				
Pesticides					
(PCB 209) Decachlorobiphenyl	mg/L	-	-	-	-
Chlordane	mg/L	-	-	-	-
Endrin	mg/L	-	-	-	-
gamma-BHC (lindane)	mg/L	-	-	-	-
Heptachlor	mg/L	-	-	-	-
Heptachlor epoxide	mg/L	-	-	-	-
Methoxychlor	mg/L	-	-	-	-
Tetrachloro-m-xylene	mg/L	-	-	-	-
Toxaphene	mg/L	-	-	-	-
SVOAs					
1,4-Dichlorobenzene	mg/L	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-
3&4-Methylphenol	mg/L	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-
Pyridine	mg/L	-	-	-	-
VOAs					
1,1,1,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,1-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2,2-Tetrachloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,1-Dichloroethene	mg/L	0.0013	0.0011	ND(0.001)	ND(0.001)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	*TMW-155*	*TMW-155*	*TMW-157*	*TMW-157*
	Sample Name:	*GW-042612-JH-11*	*GW-050912-NL-02*	*GW-042612-JH-05*	*GW-050912-NL-05*
	Sample Date:	*4/26/2012*	*5/9/2012*	*4/26/2012*	*5/9/2012*
	Sample Type:				
Parameters	*Units*				
VOAs (Cont'd)					
1,1-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,3-Trichloropropane	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2,4-Trichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2,4-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,2-Dichloroethene (total)	mg/L	0.803	0.735	0.00014 J	0.00028 J
1,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3,5-Trimethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,3-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
1,4-Dichlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2,2-Dichloropropane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2-Hexanone	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Chlorotoluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	0.00054 J
Acetone	mg/L	ND(0.01)	0.0037 J	ND(0.01)	0.0045 J
Benzene	mg/L	0.00012 J	0.00011 J	ND(0.001)	ND(0.001)
Bromobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromodichloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromoform	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Bromomethane (Methyl bromide)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Carbon disulfide	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon tetrachloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chlorobromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloroethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	TMW-155	TMW-155	TMW-157	TMW-157
	Sample Name:	GW-042612-JH-11	GW-050912-NL-02	GW-042612-JH-05	GW-050912-NL-05
	Sample Date:	4/26/2012	5/9/2012	4/26/2012	5/9/2012
	Sample Type:				
Parameters	*Units*				
VOAs (Cont'd)					
Chloroform (Trichloromethane)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Chloromethane (Methyl chloride)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	mg/L	0.77	0.709	ND(0.001)	0.00028 J
cis-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Cymene (p-Isopropyltoluene)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromochloromethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dibromomethane	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Ethylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Hexachlorobutadiene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Isopropyl benzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methyl tert butyl ether (MTBE)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Methylene chloride	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Naphthalene	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
N-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
N-Propylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Styrene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
tert-Butylbenzene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Tetrachloroethene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Toluene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.0339	0.0354	ND(0.001)	ND(0.001)
trans-1,3-Dichloropropene	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Trichloroethene	mg/L	0.3	0.283	ND(0.001)	ND(0.001)
Trichlorofluoromethane (CFC-11)	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Vinyl chloride	mg/L	0.0053	0.0059	ND(0.001)	ND(0.001)
Xylenes (total)	mg/L	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.003)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

	Location Name:	*TMW-155*	*TMW-155*	*TMW-157*	*TMW-157*
	Sample Name:	*GW-042612-JH-11*	*GW-050912-NL-02*	*GW-042612-JH-05*	*GW-050912-NL-05*
	Sample Date:	*4/26/2012*	*5/9/2012*	*4/26/2012*	*5/9/2012*
	Sample Type:				
Parameters	*Units*				
VOAs					
1,1-Dichloroethene	mg/L	-	-	-	-
1,2-Dichloroethane	mg/L	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	-	-	-
Benzene	mg/L	-	-	-	-
Carbon tetrachloride	mg/L	-	-	-	-
Chlorobenzene	mg/L	-	-	-	-
Chloroform (Trichloromethane)	mg/L	-	-	-	-
Tetrachloroethene	mg/L	-	-	-	-
Trichloroethene	mg/L	-	-	-	-
Vinyl chloride	mg/L	-	-	-	-
Wet					
Flash point (closed cup)	Deg F	-	-	-	-
Free liquid	none	-	-	-	-
pH (@ 25C)	s.u.	-	-	-	-
Reactive cyanide	mg/L	-	-	-	-
Reactive sulfide	mg/L	-	-	-	-

Notes:
J - Estimated.
ND() - Non-detect at associated value.
PCBs - Polychlorinated Biphenyls.
s.u. - Standard Unit.
SVOAs - Semi-Volatile Organic Analytes.
VOAs - Volatile Organic Compounds.
- - Not analyzed.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameter	*Analysis Date*	*Analyte*	*Blank Result*	*Sample ID*	*Qualified Sample Result*
VOCs	5/5/12	Acetone	28	GW-042612-JH-07	10.0 U
				GW-042612-JH-11	10.0 U
				GW-042612-JH-14	10.0 U
				GW-042612-JH-16	10.0 U
				GW-042712-JH-13	10.0 U
				GW-042712-JH-15	10.0 U
				GW-042712-JH-17	10.0 U
				GW-042712-JH-18	10.0 U
				GW-042712-JH-19	10.0 U
				GW-042712-JH-20	10.0 U
VOCs	5/8/12	Carbon disulfide	0.11	GW-042612-JH-09	5.0 U
				GW-042612-JH-11	5.0 U
VOCs	5/5/12	Chloroform	0.15	GW-042612-JH-01	1.0 U
				GW-042612-JH-03	1.0 U
				GW-042612-JH-05	1.0 U
				GW-042612-JH-07	1.0 U
				GW-042612-JH-09	1.0 U
				GW-042612-JH-11	1.0 U
				GW-042612-JH-14	1.0 U
				GW-042612-JH-16	1.0 U
				GW-042712-JH-13	1.0 U
				GW-042712-JH-15	1.0 U
				GW-042712-JH-17	1.0 U
				GW-042712-JH-18	1.0 U
				GW-042712-JH-19	1.0 U
				GW-042712-JH-20	1.0 U
VOCs	5/8/12	Ethylbenzene	0.15	GW-042612-JH-09	1.0 U
				GW-042712-JH-18	1.0 U
VOCs	5/16/12	Naphthalene	0.24	GW-050912-NL-04	10.0 U
				GW-042612-JH-01	10.0 U
				GW-042612-JH-03	10.0 U

Notes:
U Not detected.
VOCs Volatile Organic Compounds.

TABLE 5

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE TRIP BLANK
GROUNDWATER SAMPLING
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL - MAY 2012

Parameter	*Blank Date*	*Analyte*	*Blank Result*	*Associated Sample ID*	*Qualified Sample Result*	*Units*
VOCs	4/27/12	Acetone	3.3	GW-042612-JH-03	10.0 U	µg/L
				GW-042612-JH-05	10.0 U	µg/L
				GW-042612-JH-09	10.0 U	µg/L
VOCs	4/27/12	Chloroform	3.3	GW-050912-NL-01	10.0 U	µg/L
				GW-050912-NL-02	10.0 U	µg/L
				GW-050912-NL-03	10.0 U	µg/L
				GW-050912-NL-04	10.0 U	µg/L
				GW-050912-NL-05	10.0 U	µg/L
				GW-050912-NL-06	10.0 U	µg/L
				GW-051012-NL-07	10.0 U	µg/L
				GW-051012-NL-FD	10.0 U	µg/L
				GW-051012-NL-08	10.0 U	µg/L
				GW-051012-NL-09	10.0 U	µg/L
VOCs	5/9/12	Chloroform	0.27	GW-051012-NL-10	1.0 U	µg/L
				GW-051012-NL-11	1.0 U	µg/L
VOCs	5/9/12	cis-1,2-Dichloroethene	0.27	GW-042612-JH-05	1.0 U	µg/L
				GW-042612-JH-07	1.0 U	µg/L
				GW-042712-JH-19	1.0 U	µg/L

Notes:
U Not detected.
VOCs Volatile Organic Compounds.

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MEMORANDUM

TO:	Pat Klick	REF. NO.:	012559
FROM:	Susan Scrocchi/amm/4	DATE:	May 24, 2012
C.C.:	Phil Harvey	E-Mail and Hard Copy if Requested	

RE: Data Quality Assessment and Validation
Soil Investigation
Fairfax I Site
Kansas City, Kansas
April 2012

INTRODUCTION

The following details a quality assessment and validation of the analytical data resulting from the April 2012 collection of soil samples at Fairfax I Site in Kansas City, Kansas. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Pace Analytical Services, Inc. (Pace), in Lenexa, Kansas in accordance with the methodologies presented in Table 2. The analytical results are summarized in Tables 3a and 3b. The quality control (QC) criteria used to assess the data were established by the methods and with the following guidance documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", USEPA 540/R-99/008, October 1999

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", USEPA 540/R-94/013, February 1994

These guidelines are collectively referred to as "Guidelines" in this memorandum.

SAMPLE QUANTITATION

The laboratory reported detected concentrations of analytes below the laboratory's practical quantitation limit (PQL)/report limit (RL). The detections between the PQL/RL and the method detection limit (MDL) have been qualified as estimated (J).

SAMPLE PRESERVATION AND HOLDING TIMES

Sample holding time periods and preservation requirements are summarized in the analytical methods. All sample extractions and/or analyses were performed within the specified holding times.

All samples were properly preserved and cooled after collection.

METHOD BLANK SAMPLES

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

Method blanks were analyzed at the recommended frequency and all results were non-detect for the compounds of interest with the exception of some low levels of volatile organic compounds (VOCs) and metals. Associated sample results with concentrations similar to that found in the blanks were qualified as non-detect. Sample results that were either non-detect or significantly greater than the concentration found in the blank were not impacted and no qualification of the data was necessary. A summary of qualified results is found in Table 4.

SURROGATE COMPOUNDS - ORGANIC ANALYSES

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

All surrogate recoveries were within laboratory control limits, indicating acceptable analytical efficiency.

LABORATORY CONTROL SAMPLE (LCS)

The LCS analysis serves as a monitor of the overall performance. LCSs are prepared with all analytes of interest and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

Laboratory control samples (LCSs) were prepared and analyzed for all parameters. All recoveries were within required control limits showing adequate analytical accuracy with the exception of some outlying recoveries. Where high recoveries were observed, all associated positive sample results were qualified as estimated and all associated non-detect sample results would not have been impacted by the implied high bias. Where low recoveries were observed, all associated sample results were qualified as estimated.

A summary of qualified sample results is presented in Table 5.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To assess the long term accuracy and precision of the analytical methods on various matrices, MS/MSD percent recoveries and relative percent differences (RPDs) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The inorganic control limits are defined by the methods and the "Guidelines", which require recoveries between 75 to 125 percent with RPDs less than 20 percent for water samples and 30 percent for soil samples.

Matrix spikes (MSs) were prepared and analyzed in duplicate at the proper frequency. All recoveries were within required control limits showing adequate analytical accuracy and precision with the exception of some high percent differences. All associated sample results were non-detect and would not have been impacted by the implied variability.

FIELD QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

The field QA/QC consisted of two trip blanks.

TRIP BLANKS

To monitor potential cross-contamination during sample transportation and storage, trip blanks were submitted to the laboratory for analysis.

All trip blank results were non-detect for the compounds of interest with the exception of bromomethane present at low levels. All impacted sample results were previously qualified as non-detect due to this compound being present in the method blanks.

OVERALL ASSESSMENT

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

Sample I.D.	*Location I.D.*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*Start Depth (ft BGS)*	*End Depth (ft BGS)*	*Analysis/Parameters*								*Comments*
						TCL Volatiles	*TCLP VOCs*	*TCLP SVOCs*	*TCLP Metals*	*TCLP Pesticides*	*TCLP Herbicides*	*RCRA Characteristics*	*PCBs*	
TMW-147S 18-20	SB-147S	04/09/12	15:07	18	20	X								
TMW-147E 18-20	TMW-147E	04/09/12	15:35	18	20	X								
TMW-147N 18-20	SB-147N	04/09/12	15:50	18	20	X								
TMW-147W 18-20	SB-147W	04/09/12	16:15	18	20	X								
SB120A 18-20	SB-120A	04/09/12	17:25	18	20	X								
SB119C 18-20	SB-119C	04/10/12	11:55	18	20	X								
SB118A 6-8	SB-118A	04/10/12	13:00	6	8	X								
TMW 157 18-20	TMW-157	04/10/12	15:15	18	20	X								
TRIP BLANK	Trip Blank	04/10/12	-	-	-	X								
TMW 155 18-20	TMW-155	04/11/12	10:30	18	20	X								
TMW 154 16-18	TMW-154	04/11/12	11:10	16	18	X								
TMW 153 18-20	TMW-153	04/11/12	12:05	18	20	X								
SB305 4-6	SB-305	04/11/12	13:30	4	6		X	X	X	X	X	X	X	
SB48 13-15	SB-48	04/11/12	15:02	13	15		X	X	X	X	X	X	X	
SB49 13-15	SB-49	04/11/12	15:20	13	15		X	X	X	X	X	X	X	
SB51 18-20	SB-51	04/11/12	15:40	18	20	X								
SB118B 8-10	SB-118B	04/11/12	16:00	8	10	X								
SB50 18-20	SB-50	04/11/12	16:00	18	20	X								
SB119A 18-20	SB-119A	04/16/12	16:30	18	20	X								
SB119B 18-20	SB-119B	04/17/12	10:45	18	20	X								
DRUM COMPOSITE	DRUM COMP-APR2012	04/17/12	16:00	-	-		X	X	X	X	X	X	X	
TRIP BLANK	Trip Blank	04/17/12	-	-		X								

Notes:

-	Not applicable.
ft BGS	Feet Below Ground Surface.
PCBs	Polychlorinated Biphenyls.
RCRA	Resource Conservation and Recovery Act.
SVOCs	Semi-Volatile Organic Compounds.
TCL	Target Compound List.
TCLP	Toxicity Characteristic Leaching Procedure.
VOCs	Volatile Organic Compounds.

TABLE 2

SAMPLE HOLDING TIME CRITERIA AND ANALYTICAL METHOD SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

Parameter	*Matrix*	*Analytical Method*
Volatiles	Soil	SW-8260 [1]
TCLP Volatiles	Soil	SW-1311/8260 [1]
TCLP Semivolatiles	Soil	SW-1311/8270 [1]
TCLP Pesticides	Soil	SW-1311/8081 [1]
PCBs	Soil	SW-8082 [1]
TCLP Herbicides	Soil	SW-1311/8151 [1]
TCLP Metals	Soil	SW-1311/6010 [1]
TCLP Mercury	Soil	SW-1311/7470 [1]
Ignitability	Soil	SW-1010 [1]
Cyanide	Soil	SW-9012 [1]
Sulfide	Soil	SW-9034 [1]
Free liquid	Soil	SW-9045 [1]
Corrosivity	Soil	SW-9095 [1]

Notes:

[1] Referenced from "Test Methods for Evaluating Solid Waste," USEPA SW-846, 3rd Edition, 1994 with all subsequent revisions.

PCBs Polychlorinated Biphenyls.

TCLP Toxic Characteristic Leaching Procedure.

TABLE 3A

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

	Location Name:	SB-50	SB-51	SB-118A	SB-118B	SB-119A	SB-119B	SB-119C	SB-120A
	Sample Name:	SB 50 18-20	SB 51 18-20	SB 118A 6-8	SB 118B 8-10	SB 119A 18-20	SB 119B 18-20	SB 119C 18-20	SB 120A 18-20
	Sample Date:	4/11/2012	4/11/2012	4/10/2012	4/11/2012	4/16/2012	4/17/2012	4/10/2012	4/9/2012
	Depth:	(18-20) ft BGS	(18-20) ft BGS	(6-8) ft BGS	(8-10) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS
	Sample Type:								
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,1,1-Trichloroethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)UJ	ND(0.0066)UJ	ND(0.0083)	ND(0.0061)
1,1,2-Trichloroethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,1-Dichloroethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,1-Dichloroethene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,1-Dichloropropene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,2,3-Trichlorobenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,2,3-Trichloropropane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,2,4-Trichlorobenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,2,4-Trimethylbenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	0.0224	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	ND(0.0117)	ND(0.01)	ND(0.0096)	ND(0.0113)	ND(0.0097)	ND(0.0132)	ND(0.0166)	ND(0.0123)
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,2-Dichlorobenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,2-Dichloroethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,2-Dichloroethene (total)	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	0.0024 J	ND(0.0048)	0.0278	ND(0.0083)	ND(0.0061)
1,2-Dichloropropane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,3,5-Trimethylbenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	0.003 J	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,3-Dichlorobenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,3-Dichloropropane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
1,4-Dichlorobenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
2,2-Dichloropropane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	ND(0.0117)	0.0106 J	0.0073 J	ND(0.0113)	ND(0.0097)	0.0049 J	0.0107 J	0.015
2-Chlorotoluene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
2-Hexanone	mg/kg	ND(0.0234)	ND(0.0199)	ND(0.0192)	ND(0.0225)	ND(0.0193)	ND(0.0264)	ND(0.0332)	ND(0.0245)
2-Phenylbutane (sec-Butylbenzene)	mg/kg	ND(0.0058)	ND(0.005)	0.0026 J	0.0059	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
4-Chlorotoluene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	ND(0.0117)	ND(0.01)	ND(0.0096)	ND(0.0113)	ND(0.0097)	ND(0.0132)	ND(0.0166)	ND(0.0123)
Acetone	mg/kg	ND(0.0234)	0.0426 J	0.0225 J	ND(0.0225)	ND(0.0193)	0.0054 J	0.0274 J	0.0576

TABLE 3A

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

	Location Name:	SB-50	SB-51	SB-118A	SB-118B	SB-119A	SB-119B	SB-119C	SB-120A
	Sample Name:	SB 50 18-20	SB 51 18-20	SB 118A 6-8	SB 118B 8-10	SB 119A 18-20	SB 119B 18-20	SB 119C 18-20	SB 120A 18-20
	Sample Date:	4/11/2012	4/11/2012	4/10/2012	4/11/2012	4/16/2012	4/17/2012	4/10/2012	4/9/2012
	Depth:	(18-20) ft BGS	(18-20) ft BGS	(6-8) ft BGS	(8-10) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS
	Sample Type:								
Parameters	*Units*								
Volatile Organic Compounds (Cont'd)									
Benzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Bromobenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Bromodichloromethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Bromoform	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Bromomethane (Methyl bromide)	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Carbon disulfide	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Carbon tetrachloride	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Chlorobenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Chlorobromomethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Chloroethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Chloroform (Trichloromethane)	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	0.0011 J	0.0015 J	ND(0.0083)	ND(0.0061)
Chloromethane (Methyl chloride)	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
cis-1,2-Dichloroethene	mg/kg	ND(0.0029)	ND(0.0025)	ND(0.0024)	0.0024 J	ND(0.0024)	0.0278	ND(0.0042)	ND(0.0031)
cis-1,3-Dichloropropene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Cymene (p-Isopropyltoluene)	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	0.0027 J	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Dibromochloromethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Dibromomethane	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Dichlorodifluoromethane (CFC-12)	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Ethylbenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Hexachlorobutadiene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Isopropyl benzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Methyl tert butyl ether (MTBE)	mg/kg	ND(0.0058)	ND(0.005)	0.00099 J	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Methylene chloride	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Naphthalene	mg/kg	ND(0.0117)	ND(0.01)	0.0026 J	0.0027 J	ND(0.0097)	ND(0.0132)	ND(0.0166)	ND(0.0123)
N-Butylbenzene	mg/kg	ND(0.0058)	ND(0.005)	0.0017 J	0.0076	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
N-Propylbenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	0.0033 J	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Styrene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
tert-Butylbenzene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Tetrachloroethene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	0.0998	0.0013 J	ND(0.0066)	ND(0.0083)	0.0075

TABLE 3A

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

	Location Name:	*SB-50*	*SB-51*	*SB-118A*	*SB-118B*	*SB-119A*	*SB-119B*	*SB-119C*	*SB-120A*
	Sample Name:	*SB 50 18-20*	*SB 51 18-20*	*SB 118A 6-8*	*SB 118B 8-10*	*SB 119A 18-20*	*SB 119B 18-20*	*SB 119C 18-20*	*SB 120A 18-20*
	Sample Date:	*4/11/2012*	*4/11/2012*	*4/10/2012*	*4/11/2012*	*4/16/2012*	*4/17/2012*	*4/10/2012*	*4/9/2012*
	Depth:	*(18-20) ft BGS*	*(18-20) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(18-20) ft BGS*	*(18-20) ft BGS*	*(18-20) ft BGS*	*(18-20) ft BGS*
	Sample Type:								
Parameters	***Units***								
Volatile Organic Compounds (Cont'd)									
Toluene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
trans-1,2-Dichloroethene	mg/kg	ND(0.0029)	ND(0.0025)	ND(0.0024)	ND(0.0028)	ND(0.0024)	ND(0.0033)	ND(0.0042)	ND(0.0031)
trans-1,3-Dichloropropene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Trichloroethene	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	0.0044 J	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Trichlorofluoromethane (CFC-11)	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Vinyl chloride	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)
Xylenes (total)	mg/kg	ND(0.0058)	ND(0.005)	ND(0.0048)	ND(0.0056)	ND(0.0048)	ND(0.0066)	ND(0.0083)	ND(0.0061)

TABLE 3A

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

	Location Name:	SB-147N	SB-147S	SB-147W	TMW-147E	TMW-153	TMW-154	TMW-155	TMW-157
	Sample Name:	TMW 147N 18-20	TMW 147S 18-20	TMW 147W 18-20	TMW 147E 18-20	TMW 153 18-20	TMW 154 16-18	TMW 155 18-20	TMW 157 18-20
	Sample Date:	4/9/2012	4/9/2012	4/9/2012	4/9/2012	4/11/2012	4/11/2012	4/11/2012	4/10/2012
	Depth:	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(16-18) ft BGS	(18-20) ft BGS	(18-20) ft BGS
	Sample Type:								
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,1,1-Trichloroethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,1,2-Trichloroethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,1-Dichloroethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,1-Dichloroethene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,1-Dichloropropene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,2,3-Trichlorobenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,2,3-Trichloropropane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,2,4-Trichlorobenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,2,4-Trimethylbenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	ND(0.0112)	ND(0.0096)	ND(0.0106)	ND(0.0111)	ND(0.0101)	ND(0.012)	ND(0.0102)	ND(0.0109)
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,2-Dichlorobenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,2-Dichloroethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,2-Dichloroethene (total)	mg/kg	0.121	ND(0.0048)	ND(0.0053)	0.201	ND(0.0051)	ND(0.006)	0.0183	ND(0.0055)
1,2-Dichloropropane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,3,5-Trimethylbenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,3-Dichlorobenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,3-Dichloropropane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
1,4-Dichlorobenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
2,2-Dichloropropane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	0.0055 J	ND(0.0096)	ND(0.0106)	0.0111 J	ND(0.0101)	0.0239 J	ND(0.0102)	0.0105 J
2-Chlorotoluene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
2-Hexanone	mg/kg	ND(0.0224)	ND(0.0192)	ND(0.0211)	ND(0.0222)	ND(0.0202)	ND(0.024)	ND(0.0203)	ND(0.0218)
2-Phenylbutane (sec-Butylbenzene)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
4-Chlorotoluene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	ND(0.0112)	ND(0.0096)	ND(0.0106)	ND(0.0111)	ND(0.0101)	ND(0.012)	ND(0.0102)	0.0033 J
Acetone	mg/kg	0.011 J	ND(0.0192)	ND(0.0211)	0.0381	ND(0.0202)	0.108 J	ND(0.0203)	0.0319 J

TABLE 3A

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

	Location Name:	SB-147N	SB-147S	SB-147W	TMW-147E	TMW-153	TMW-154	TMW-155	TMW-157
	Sample Name:	TMW 147N 18-20	TMW 147S 18-20	TMW 147W 18-20	TMW 147E 18-20	TMW 153 18-20	TMW 154 16-18	TMW 155 18-20	TMW 157 18-20
	Sample Date:	4/9/2012	4/9/2012	4/9/2012	4/9/2012	4/11/2012	4/11/2012	4/11/2012	4/10/2012
	Depth:	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(16-18) ft BGS	(18-20) ft BGS	(18-20) ft BGS
	Sample Type:								
Parameters	*Units*								
Volatile Organic Compounds (Cont'd)									
Benzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Bromobenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Bromodichloromethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Bromoform	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Bromomethane (Methyl bromide)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Carbon disulfide	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Carbon tetrachloride	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Chlorobenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Chlorobromomethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Chloroethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Chloroform (Trichloromethane)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Chloromethane (Methyl chloride)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
cis-1,2-Dichloroethene	mg/kg	0.101	ND(0.0024)	ND(0.0026)	0.163	ND(0.0025)	ND(0.003)	0.0171	ND(0.0027)
cis-1,3-Dichloropropene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Cymene (p-Isopropyltoluene)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Dibromochloromethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Dibromomethane	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Dichlorodifluoromethane (CFC-12)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Ethylbenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Hexachlorobutadiene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Isopropyl benzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Methyl tert butyl ether (MTBE)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Methylene chloride	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Naphthalene	mg/kg	ND(0.0112)	ND(0.0096)	ND(0.0106)	ND(0.0111)	ND(0.0101)	ND(0.012)	ND(0.0102)	ND(0.0109)
N-Butylbenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
N-Propylbenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Styrene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
tert-Butylbenzene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Tetrachloroethene	mg/kg	ND(0.0056)	0.0035 J	0.0043 J	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)

TABLE 3A

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

	Location Name:	SB-147N	SB-147S	SB-147W	TMW-147E	TMW-153	TMW-154	TMW-155	TMW-157
	Sample Name:	TMW 147N 18-20	TMW 147S 18-20	TMW 147W 18-20	TMW 147E 18-20	TMW 153 18-20	TMW 154 16-18	TMW 155 18-20	TMW 157 18-20
	Sample Date:	4/9/2012	4/9/2012	4/9/2012	4/9/2012	4/11/2012	4/11/2012	4/11/2012	4/10/2012
	Depth:	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(18-20) ft BGS	(16-18) ft BGS	(18-20) ft BGS	(18-20) ft BGS
	Sample Type:								
Parameters	*Units*								
Volatile Organic Compounds (Cont'd)									
Toluene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
trans-1,2-Dichloroethene	mg/kg	0.0195	ND(0.0024)	ND(0.0026)	0.0372	ND(0.0025)	ND(0.003)	0.0012 J	ND(0.0027)
trans-1,3-Dichloropropene	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Trichloroethene	mg/kg	0.0015 J	ND(0.0048)	ND(0.0053)	0.0064	ND(0.0051)	ND(0.006)	0.0442	ND(0.0055)
Trichlorofluoromethane (CFC-11)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Vinyl chloride	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)
Xylenes (total)	mg/kg	ND(0.0056)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0051)	ND(0.006)	ND(0.0051)	ND(0.0055)

Notes:
ft BGS - Feet Below Ground Surface.
J - Estimated.
ND() - Non-detect at associated value.
UJ - Not detected, estimated reporting limit.

TABLE 3B

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

	Location Name:	*DRUM COMP-APR2012*	*SB-48*	*SB-49*	*SB-305*
	Sample Name:	*DRUM COMPOSITE*	*SB 48 13-15*	*SB 49 13-15*	*SB 305 4-6*
	Sample Date:	*4/17/2012*	*4/11/2012*	*4/11/2012*	*4/11/2012*
	Depth:	-	*(13-15) ft BGS*	*(13-15) ft BGS*	*(4-6) ft BGS*
	Sample Type:				
Parameters	***Units***				
TCLP VOCs					
1,1-Dichloroethene	mg/L	ND(0.05)	ND(0.05)	ND(0.5)	ND(0.05)
1,2-Dichloroethane	mg/L	ND(0.05)	ND(0.05)	ND(0.5)	ND(0.05)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	ND(1)	ND(1)	ND(10)	ND(1)
Benzene	mg/L	ND(0.05)	ND(0.05)	ND(0.5)	ND(0.05)
Carbon tetrachloride	mg/L	ND(0.05)	ND(0.05)	ND(0.5)	ND(0.05)
Chlorobenzene	mg/L	ND(0.05)	ND(0.05)	ND(0.5)	ND(0.05)
Chloroform (Trichloromethane)	mg/L	ND(0.2)	ND(0.2)	ND(2)	ND(0.2)
Tetrachloroethene	mg/L	ND(0.05)	ND(0.05)	ND(0.5)	ND(0.05)
Trichloroethene	mg/L	ND(0.05)	ND(0.05)	ND(0.5)	ND(0.05)
Vinyl chloride	mg/L	ND(0.1)	ND(0.1)	ND(1)	ND(0.1)
TCLP SVOCs					
1,4-Dichlorobenzene	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
2,4,5-Trichlorophenol	mg/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
2,4,6-Trichlorophenol	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
2,4-Dinitrotoluene	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
2-Methylphenol	mg/L	ND(0.1)	0.0592 J	ND(0.1)	ND(0.1)
3&4-Methylphenol	mg/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Hexachlorobenzene	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Hexachlorobutadiene	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Hexachloroethane	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nitrobenzene	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Pentachlorophenol	mg/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Pyridine	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

	Location Name:	*DRUM COMP-APR2012*	*SB-48*	*SB-49*	*SB-305*
	Sample Name:	*DRUM COMPOSITE*	*SB 48 13-15*	*SB 49 13-15*	*SB 305 4-6*
	Sample Date:	*4/17/2012*	*4/11/2012*	*4/11/2012*	*4/11/2012*
	Depth:	-	*(13-15) ft BGS*	*(13-15) ft BGS*	*(4-6) ft BGS*
	Sample Type:				
Parameters	*Units*				
TCLP Pesticides					
Chlordane	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Endrin	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
gamma-BHC (lindane)	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
Heptachlor	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
Heptachlor epoxide	mg/L	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
Methoxychlor	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toxaphene	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
TCLP Herbicides					
2,4,5-TP (Silvex)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
TCLP Metals					
Arsenic	mg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Barium	mg/L	1.5 J	1.4 J	1.7 J	1.3 J
Cadmium	mg/L	ND(0.050)	0.0065 J	0.0054 J	0.0049 J
Chromium	mg/L	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Lead	mg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Mercury	mg/L	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
Selenium	mg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Silver	mg/L	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
PCBs					
Aroclor-1016 (PCB-1016)	mg/kg	ND(0.0403)	ND(0.0395)	ND(0.0428)	ND(0.0417)
Aroclor-1221 (PCB-1221)	mg/kg	ND(0.0807)	ND(0.0789)	ND(0.0855)	ND(0.0835)
Aroclor-1232 (PCB-1232)	mg/kg	ND(0.0403)	ND(0.0395)	ND(0.0428)	ND(0.0417)
Aroclor-1242 (PCB-1242)	mg/kg	ND(0.0403)	ND(0.0395)	ND(0.0428)	ND(0.0417)
Aroclor-1248 (PCB-1248)	mg/kg	ND(0.0403)	ND(0.0395)	ND(0.0428)	ND(0.0417)
Aroclor-1254 (PCB-1254)	mg/kg	ND(0.0403)	ND(0.0395)	ND(0.0428)	ND(0.0417)
Aroclor-1260 (PCB-1260)	mg/kg	ND(0.0403)	ND(0.0395)	ND(0.0428)	ND(0.0417)

TABLE 3B

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

	Location Name:	*DRUM COMP-APR2012*	*SB-48*	*SB-49*	*SB-305*
	Sample Name:	*DRUM COMPOSITE*	*SB 48 13-15*	*SB 49 13-15*	*SB 305 4-6*
	Sample Date:	*4/17/2012*	*4/11/2012*	*4/11/2012*	*4/11/2012*
	Depth:	-	*(13-15) ft BGS*	*(13-15) ft BGS*	*(4-6) ft BGS*
	Sample Type:				
Parameters	*Units*				
Wet					
Flash point (closed cup)	Deg F	ND()	ND()	ND()	ND()
Free liquid	none	ND()	ND()	ND()	ND()
pH (@ 25C)	s.u.	9.1	8.0	7.4	8.1
Reactive cyanide	mg/kg	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Reactive sulfide	mg/kg	ND(100)	ND(100)	ND(100)	ND(100)

Notes:
- - Not Applicable.
ft BGS - Feet Below Ground Surface.
J - Estimated.
ND() - Non-detect at associated value.
PCBs - Polychlorinated Biphenyls.
s.u. - Standard Unit.
SVOCs - Semi-Volatile Organic Compounds.
TCLP - Toxicity Characteristic Leaching Procedure.
VOCs - Volatile Organic Compounds.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

Parameter	*Analysis Date*	*Analyte*	*Blank Result*	*Sample ID*	*Qualified Sample Result*
Metals	4/24/12	Cadmium	0.0042	DRUM COMPOSITE	0.050 U
VOCs	4/24/12	Bromomethane	1.8	SB119A 18-20	4.8 U
				SB119B 18-20	6.6 U

Notes:
U Not detected.
VOCs Volatile Organic Compounds.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING BLANK SPIKE RESULTS
SOIL INVESTIGATION
FAIRFAX I SITE
KANSAS CITY, KANSAS
APRIL 2012

Parameter	*BS Date*	*Compound*	*% Rec*	*Acceptable Limits*	*Associated Sample ID*	*Qualified Sample Results*	*Units*
VOCs	4/24/12	1,1,2,2-Tetrachloroethane	82	83-120	SB119A 18-20	4.8 UJ	µg/Kg
					SB119B 18-20	6.6 UJ	µg/Kg
VOCs	4/17/12	2-Butanone (MEK)	141	66-123	SB51 18-20	10.6 J	µg/Kg
					TMW 154 16-18	23.9 J	µg/Kg
VOCs	4/16/12	Acetone	152	63-123	SB118A 6-8	22.5 J	µg/Kg
					TMW 157 18-20	31.9 J	µg/Kg
					TMW-147N 18-20	11.0 J	µg/Kg
VOCs	4/17/12	Acetone	226	63-123	SB51 18-20	42.6 J	µg/Kg
					TMW 154 16-18	108 J	µg/Kg

Notes:
J Estimated.
UJ Not detected, estimated reporting limit
VOCs Volatile Organic Compounds.

APPENDIX F

LABORATORY ANALYTICAL DATA

TABLE F.1

GROUNDWATER SAMPLE SUMMARY
DECEMBER 2011 COMPREHENSIVE GROUNDWATER SAMPLING EVENT
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Sample ID	*Date*	*Well ID*	*Analyses*
WG-121211-DF-001	12/12/2011	MW-102A	VOC
WG-121211-KH-002	12/12/2011	MW-115A	VOC, SVOC, TPH-DRO, TPH-GRO
WG-121211-DF-003	12/12/2011	MW-104	VOC, SVOC, TPH-DRO, TPH-GRO
WG-121211-KH-004	12/12/2011	MW-111	VOC
WG-121211-DF-005	12/12/2011	MW-105	VOC
WG-121211-KH-006	12/12/2011	TMW-123	VOC
WG-121211-DF-007	12/12/2011	MW-108	VOC
WG-121211-KH-008	12/12/2011	MW-110	VOC
WG-121211-DF-009	12/12/2011	MW-125	VOC
WG-121211-DF-010	12/12/2011	MW-125 Dup	VOC
WG-121311-DF-011	12/13/2011	MW-124A	VOC
WG-121311-KH-012	12/13/2011	MW-109	VOC
WG-121311-DF-013	12/13/2011	MW-103A	VOC, SVOC, TPH-DRO, TPH-GRO
WG-121311-DF-014	12/13/2011	MW-103A Dup	VOC, SVOC, TPH-DRO, TPH-GRO
WG-121311-KH-015	12/13/2011	MW-117A	VOC
WG-121311-KH-016	12/13/2011	MW-1	VOC
WG-121311-KH-017	12/13/2011	MW-118A	VOC
WG-121311-DF-018	12/13/2011	TMW-127 MS/MSD	VOC
WG-121311-KH-019	12/13/2011	MW-110A	VOC
WG-121311-DF-020	12/13/2011	TMW-145	VOC, SVOC, TPH-DRO, TPH-GRO
WG-121311-KH-021	12/13/2011	MW-1A	VOC
WG-121311-KH-022	12/13/2011	Equipment Blank	VOC
WG-121411-DF-023	12/14/2011	TMW-146 MS/MSD	VOC, SVOC, TPH-DRO, TPH-GRO
WG-121411-KH-024	12/14/2011	MW-124B	VOC
WG-121411-DF-025	12/14/2011	TMW-144	VOC, SVOC, TPH-DRO, TPH-GRO
WG-121411-KH-026	12/14/2011	MW-102C	VOC
WG-121411-DF-027	12/14/2011	TMW-139	VOC
WG-121411-DF-028	12/14/2011	TMW-143	VOC, SVOC, TPH-DRO, TPH-GRO

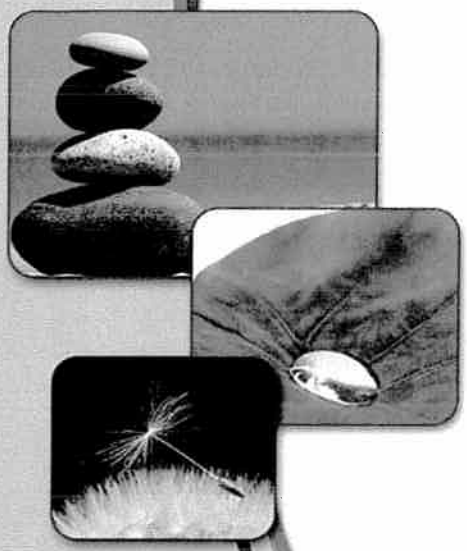
TABLE F.1

GROUNDWATER SAMPLE SUMMARY
DECEMBER 2011 COMPREHENSIVE GROUNDWATER SAMPLING EVENT
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Sample ID	*Date*	*Well ID*	*Analyses*
WG-121411-KH-029	12/14/2011	MW-103B	VOC
WG-121411-KH-030	12/14/2011	MW-103C	VOC
WG-121411-KH-031	12/14/2011	MW-1B	VOC
TB-121411-KH-032	12/14/2011	Trip Blank	VOC
WG-121511-KH-033	12/15/2011	MW-117B	VOC
WG-121511-KH-034	12/15/2011	MW-118B	VOC
WG-121511-KH-035	12/15/2011	MW-1C	VOC
TB-121511-KH-036	12/15/2011	Trip Blank	VOC
WG-122211-KH-037	12/22/2011	Drum Contents	Waste Characterization
WG-122211-KH-038	12/22/2011	Drum Contents	Waste Characterization
TB-122211-KH-039	12/22/2011	Trip Blank	VOC

Notes:

VOC - volatile organic compounds
SVOC - semivolatile organic compounds
TPH-DRO - total petroleum hydrocarbons, diesel range organics
TPH-GRO - total petroleum hydrocarbons, gasoline range organics
Waste characterization - toxicity characteristic leaching procedure (TCLP) VOCs, TCLP SVOCs, TCLP pesticides, TCLP herbicides, PCBs, reactivity, pH, and flashpoint
Dup - duplicate sample
MS/MSD - matrix spike/matrix spike duplicate
Sample WG-122211-KH-037 comprised purge water from historically clean monitoring wells
Sample WG-122211-KH-038 comprised purge water from historically impacted monitoring wells



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 240-6918-1
Client Project/Site: 12559-T05, RACER Fairfax

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, New York 14304

Attn: Ms. Sue Scrocchi

Denise D Heckler

Authorized for release by:
1/3/2012 11:12:52 AM

Denise Heckler
Project Manager II
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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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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

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.
F	MS or MSD exceeds the control limits
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits

GC VOA

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

GC Semi 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.

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)

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 12559, Fairfax

Report Number: 240-6918-1

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 resuits.

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.

On December 15, 2011, revised chain of custodies were received from CRA, however, they were not readable. Per the instruction, DRO and GRO were added to all samples that had SVOCs requested.

RECEIPT

The samples were received on 12/15/2011 and 12/16/2011; the samples arrived in good condition, properly preserved and on ice.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WG-121211-DF-001 (240-6918-1), WG-121211-DF-003 (240-6918-2), WG-121211-DF-005 (240-6918-3), WG-121211-DF-007 (240-6918-4), WG-121211-DF-009 (240-6918-5), WG-121211-DF-010 (240-6918-6), WG-121211-KH-002 (240-6918-7), WG-121211-KH-004 (240-6918-8), WG-121211-KH-006 (240-6918-9), WG-121211-KH-008 (240-6918-10), WG-121311-DF-011 (240-6918-11), WG-121311-DF-013 (240-6918-12), WG-121311-DF-014 (240-6918-13), WG-121311-DF-018 (240-6918-14), WG-121311-DF-020 (240-6918-15), WG-121311-KH-012 (240-6918-16), WG-121311-KH-015 (240-6918-17), WG-121311-KH-016 (240-6918-18), WG-121311-KH-017 (240-6918-19), WG-121311-KH-019 (240-6918-20), WG-121311-KH-021 (240-6918-21), WG-121311-KH-022 (240-6918-22), WG-121411-DF-023 (240-6918-23), WG-121411-DF-025 (240-6918-24), WG-121411-DF-027 (240-6918-25), WG-121411-DF-028 (240-6918-26), WG-121411-KH-024 (240-6918-27), WG-121411-KH-026 (240-6918-28), WG-121411-KH-029 (240-6918-29), WG-121411-KH-030 (240-6918-30), WG-121411-KH-031 (240-6918-31), TB-121411-KH-032 (240-6918-32), WG-121511-KH-033 (240-6918-1), WG-121511-KH-034 (240-6918-2), WG-121511-KH-035 (240-6918-3) and TB-121511-KH-036 (240-6918-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 12/21/2011, 12/22/2011 and 12/24/2011.

Job ID: 240-6918-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

4

Methylene Chloride failed the recovery criteria high for LCS 240-28111/4.

cis-1,2-Dichloroethene failed the recovery criteria high for the MS of sample WG-121311-DF-018MS (240-6918-14) in batch 240-27613.

Samples WG-121311-DF-013 (240-6918-12)[2000X], WG-121311-DF-014 (240-6918-13)[2000X], WG-121311-DF-018 (240-6918-14) [6.67X] and WG-121411-DF-027 (240-6918-25)[10X] 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.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WG-121211-DF-003 (240-6918-2), WG-121211-KH-002 (240-6918-7), WG-121311-DF-013 (240-6918-12), WG-121311-DF-014 (240-6918-13), WG-121311-DF-020 (240-6918-15), WG-121411-DF-023 (240-6918-23), WG-121411-DF-025 (240-6918-24) and WG-121411-DF-028 (240-6918-26) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 12/16/2011, 12/18/2011 and 12/21/2011 and analyzed on 12/20/2011 and 12/27/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-27141/21-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. Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-27299/19-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.

3,3'-Dichlorobenzidine failed the recovery criteria low for the MS/MSD of sample WG-121411-DF-023 (240-6918-23) in batch 240-28140.

Samples WG-121311-DF-013 (240-6918-12)[50X] and WG-121311-DF-014 (240-6918-13)[50X] required dilution prior to analysis due to matrix interference. The reporting limits have been adjusted accordingly. The surrogates are considered diluted out.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS (GRO)

Samples WG-121211-DF-003 (240-6918-2), WG-121211-KH-002 (240-6918-7), WG-121311-DF-013 (240-6918-12), WG-121311-DF-014 (240-6918-13), WG-121311-DF-020 (240-6918-15), WG-121411-DF-023 (240-6918-23), WG-121411-DF-025 (240-6918-24) and WG-121411-DF-028 (240-6918-26) were analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 12/19/2011 and 12/20/2011.

C6-C10 was detected in method blank MB 240-27337/6 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.

Samples WG-121311-DF-013 (240-6918-12)[500X] and WG-121311-DF-014 (240-6918-13)[500X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the GRO analyses.

All other quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS (DRO)

Samples WG-121211-DF-003 (240-6918-2), WG-121211-KH-002 (240-6918-7), WG-121311-DF-013 (240-6918-12), WG-121311-DF-014 (240-6918-13), WG-121311-DF-020 (240-6918-15), WG-121411-DF-023 (240-6918-23), WG-121411-DF-025 (240-6918-24) and

Job ID: 240-6918-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

WG-121411-DF-028 (240-6918-26) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 12/16/2011 and analyzed on 12/19/2011.

Diesel was detected in method blank MB 240-27161/11-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 DRO analyses.

All other quality control parameters were within the acceptance limits.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
8015B	Gasoline Range Organics - (GC)	SW846	TAL NC
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NC

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Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-6918-1	WG-121211-DF-001	Water	12/12/11 10:20	12/15/11 09:30
240-6918-2	WG-121211-DF-003	Water	12/12/11 12:10	12/15/11 09:30
240-6918-3	WG-121211-DF-005	Water	12/12/11 13:30	12/15/11 09:30
240-6918-4	WG-121211-DF-007	Water	12/12/11 14:30	12/15/11 09:30
240-6918-5	WG-121211-DF-009	Water	12/12/11 16:25	12/15/11 09:30
240-6918-6	WG-121211-DF-010	Water	12/12/11 00:00	12/15/11 09:30
240-6918-7	WG-121211-KH-002	Water	12/12/11 10:55	12/15/11 09:30
240-6918-8	WG-121211-KH-004	Water	12/12/11 13:44	12/15/11 09:30
240-6918-9	WG-121211-KH-006	Water	12/12/11 15:18	12/15/11 09:30
240-6918-10	WG-121211-KH-008	Water	12/12/11 16:18	12/15/11 09:30
240-6918-11	WG-121311-DF-011	Water	12/13/11 08:50	12/15/11 09:30
240-6918-12	WG-121311-DF-013	Water	12/13/11 10:45	12/15/11 09:30
240-6918-13	WG-121311-DF-014	Water	12/13/11 00:00	12/15/11 09:30
240-6918-14	WG-121311-DF-018	Water	12/13/11 13:30	12/15/11 09:30
240-6918-15	WG-121311-DF-020	Water	12/13/11 14:40	12/15/11 09:30
240-6918-16	WG-121311-KH-012	Water	12/13/11 10:00	12/15/11 09:30
240-6918-17	WG-121311-KH-015	Water	12/13/11 10:50	12/15/11 09:30
240-6918-18	WG-121311-KH-016	Water	12/13/11 11:47	12/15/11 09:30
240-6918-19	WG-121311-KH-017	Water	12/13/11 12:52	12/15/11 09:30
240-6918-20	WG-121311-KH-019	Water	12/13/11 14:05	12/15/11 09:30
240-6918-21	WG-121311-KH-021	Water	12/13/11 15:40	12/15/11 09:30
240-6918-22	WG-121311-KH-022	Water	12/13/11 14:55	12/15/11 09:30
240-6918-23	WG-121411-DF-023	Water	12/14/11 08:30	12/15/11 09:30
240-6918-24	WG-121411-DF-025	Water	12/14/11 10:00	12/15/11 09:30
240-6918-25	WG-121411-DF-027	Water	12/14/11 11:20	12/15/11 09:30
240-6918-26	WG-121411-DF-028	Water	12/14/11 12:30	12/15/11 09:30
240-6918-27	WG-121411-KH-024	Water	12/14/11 09:57	12/15/11 09:30
240-6918-28	WG-121411-KH-026	Water	12/14/11 10:56	12/15/11 09:30
240-6918-29	WG-121411-KH-029	Water	12/14/11 13:02	12/15/11 09:30
240-6918-30	WG-121411-KH-030	Water	12/14/11 14:17	12/15/11 09:30
240-6918-31	WG-121411-KH-031	Water	12/14/11 16:15	12/15/11 09:30
240-6918-32	TB-121411-KH-032	Water	12/14/11 00:00	12/15/11 09:30
240-7036-1	WG-121511-KH-033	Water	12/15/11 10:17	12/16/11 09:45
240-7036-2	WG-121511-KH-034	Water	12/15/11 13:27	12/16/11 09:45
240-7036-3	WG-121511-KH-035	Water	12/15/11 14:47	12/16/11 09:45
240-7036-4	TB-121511-KH-036	WQ	12/15/11 00:00	12/16/11 09:45

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121211-DF-001

Lab Sample ID: 240-6918-1

No Detections

Client Sample ID: WG-121211-DF-003

Lab Sample ID: 240-6918-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	0.30	J	1.0	0.12	ug/L	1		8260B	Total/NA
Methylcyclohexane	0.68	J	1.0	0.13	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.98	J B	2.2	0.86	ug/L	1		8270C	Total/NA
C6-C10	40	J B	100	25	ug/L	1		8015B	Total/NA

Client Sample ID: WG-121211-DF-005

Lab Sample ID: 240-6918-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.34	J	1.0	0.29	ug/L	1		8260B	Total/NA
Trichloroethene	0.90	J	1.0	0.17	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.43	J	1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121211-DF-007

Lab Sample ID: 240-6918-4

No Detections

Client Sample ID: WG-121211-DF-009

Lab Sample ID: 240-6918-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.21	J	1.0	0.17	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.31	J	1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121211-DF-010

Lab Sample ID: 240-6918-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.20	J	1.0	0.17	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.30	J	1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121211-KH-002

Lab Sample ID: 240-6918-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C10	30	J B	100	25	ug/L	1		8015B	Total/NA

Client Sample ID: WG-121211-KH-004

Lab Sample ID: 240-6918-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.3		1.0	0.22	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	23		1.0	0.17	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.9		1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121211-KH-006

Lab Sample ID: 240-6918-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.30	J	1.0	0.17	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.67	J	1.0	0.17	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	6.5		1.0	0.21	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121211-KH-008

Lab Sample ID: 240-6918-10

No Detections

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121311-DF-011

Lab Sample ID: 240-6918-11

No Detections

Client Sample ID: WG-121311-DF-013

Lab Sample ID: 240-6918-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	70000		20000	2200	ug/L	2000		8260B	Total/NA
2-Butanone (MEK)	1300	J	20000	1100	ug/L	2000		8260B	Total/NA
Ethylbenzene	2400		2000	340	ug/L	2000		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	33000		20000	640	ug/L	2000		8260B	Total/NA
Toluene	57000		2000	260	ug/L	2000		8260B	Total/NA
Xylenes, Total	26000		4000	560	ug/L	2000		8260B	Total/NA
2,4-Dimethylphenol	350		100	41	ug/L	50		8270C	Total/NA
2-Methylnaphthalene	7.4	J	10	5.2	ug/L	50		8270C	Total/NA
2-Methylphenol	550		52	41	ug/L	50		8270C	Total/NA
Naphthalene	260		10	5.2	ug/L	50		8270C	Total/NA
3 & 4 Methylphenol	720		100	39	ug/L	50		8270C	Total/NA
C6-C10	180000	B	50000	13000	ug/L	500		8015B	Total/NA
C10-C20	7900		520	250	ug/L	1		8015B	Total/NA

Client Sample ID: WG-121311-DF-014

Lab Sample ID: 240-6918-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	70000		20000	2200	ug/L	2000		8260B	Total/NA
2-Butanone (MEK)	1100	J	20000	1100	ug/L	2000		8260B	Total/NA
Ethylbenzene	2600		2000	340	ug/L	2000		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	34000		20000	640	ug/L	2000		8260B	Total/NA
Toluene	61000		2000	260	ug/L	2000		8260B	Total/NA
Xylenes, Total	28000		4000	560	ug/L	2000		8260B	Total/NA
2,4-Dimethylphenol	330		100	41	ug/L	50		8270C	Total/NA
2-Methylnaphthalene	8.7	J	10	5.1	ug/L	50		8270C	Total/NA
2-Methylphenol	450		51	41	ug/L	50		8270C	Total/NA
Naphthalene	280		10	5.1	ug/L	50		8270C	Total/NA
3 & 4 Methylphenol	580		100	38	ug/L	50		8270C	Total/NA
C6-C10	180000	B	50000	13000	ug/L	500		8015B	Total/NA
C10-C20	9800		510	240	ug/L	1		8015B	Total/NA

Client Sample ID: WG-121311-DF-018

Lab Sample ID: 240-6918-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	3.2	J	6.7	1.1	ug/L	6.67		8260B	Total/NA
Toluene	39		6.7	0.87	ug/L	6.67		8260B	Total/NA
Vinyl chloride	3.1	J	6.7	1.5	ug/L	6.67		8260B	Total/NA
Xylenes, Total	33		13	1.9	ug/L	6.67		8260B	Total/NA
cis-1,2-Dichloroethene	140		6.7	1.1	ug/L	6.67		8260B	Total/NA
trans-1,2-Dichloroethene	2.9	J	6.7	1.3	ug/L	6.67		8260B	Total/NA

Client Sample ID: WG-121311-DF-020

Lab Sample ID: 240-6918-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.89	J B	2.0	0.82	ug/L	1		8270C	Total/NA
C6-C10	45	J B	100	25	ug/L	1		8015B	Total/NA

Client Sample ID: WG-121311-KH-012

Lab Sample ID: 240-6918-16

Client Sample ID: WG-121311-KH-012 (Continued)

Lab Sample ID: 240-6918-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.30	J	1.0	0.29	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	5.7		1.0	0.17	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.73	J	1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121311-KH-015

Lab Sample ID: 240-6918-17

No Detections

Client Sample ID: WG-121311-KH-016

Lab Sample ID: 240-6918-18

No Detections

Client Sample ID: WG-121311-KH-017

Lab Sample ID: 240-6918-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.31	J	1.0	0.13	ug/L	1		8260B	Total/NA
Trichloroethene	0.24	J	1.0	0.17	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	4.0		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121311-KH-019

Lab Sample ID: 240-6918-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.2		1.0	0.29	ug/L	1		8260B	Total/NA
Trichloroethene	0.58	J	1.0	0.17	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121311-KH-021

Lab Sample ID: 240-6918-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.18	J	1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121311-KH-022

Lab Sample ID: 240-6918-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		10	1.1	ug/L	1		8260B	Total/NA
Dichlorobromomethane	0.32	J	1.0	0.15	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	3.8	J	10	0.57	ug/L	1		8260B	Total/NA
Chloroform	0.40	J	1.0	0.16	ug/L	1		8260B	Total/NA
Toluene	0.23	J	1.0	0.13	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121411-DF-023

Lab Sample ID: 240-6918-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.15	J	1.0	0.13	ug/L	1		8260B	Total/NA
C6-C10	120	B	100	25	ug/L	1		8015B	Total/NA
C10-C20	330	J	560	260	ug/L	1		8015B	Total/NA

Client Sample ID: WG-121411-DF-025

Lab Sample ID: 240-6918-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.50	J	1.0	0.17	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	7.1		1.0	0.17	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.31	J	1.0	0.19	ug/L	1		8260B	Total/NA
C6-C10	44	J B	100	25	ug/L	1		8015B	Total/NA

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121411-DF-027 — Lab Sample ID: 240-6918-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	44	J	100	11	ug/L	10		8260B	Total/NA
Benzene	45		10	1.3	ug/L	10		8260B	Total/NA
2-Butanone (MEK)	110		100	5.7	ug/L	10		8260B	Total/NA
Ethylbenzene	8.1	J	10	1.7	ug/L	10		8260B	Total/NA
Cyclohexane	1.5	J	10	1.2	ug/L	10		8260B	Total/NA

Client Sample ID: WG-121411-DF-028 — Lab Sample ID: 240-6918-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.1		1.0	0.29	ug/L	1		8260B	Total/NA
C6-C10	66	J B	100	25	ug/L	1		8015B	Total/NA

Client Sample ID: WG-121411-KH-024 — Lab Sample ID: 240-6918-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.16	J	1.0	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121411-KH-026 — Lab Sample ID: 240-6918-28

No Detections

Client Sample ID: WG-121411-KH-029 — Lab Sample ID: 240-6918-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.8	J	10	1.1	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	4.4		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121411-KH-030 — Lab Sample ID: 240-6918-30

No Detections

Client Sample ID: WG-121411-KH-031 — Lab Sample ID: 240-6918-31

No Detections

Client Sample ID: TB-121411-KH-032 — Lab Sample ID: 240-6918-32

No Detections

Client Sample ID: WG-121511-KH-033 — Lab Sample ID: 240-7036-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.1	J	10	1.1	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.3		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: WG-121511-KH-034 — Lab Sample ID: 240-7036-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	3.8		1.0	0.22	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	25		1.0	0.17	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.89	J	1.0	0.19	ug/L	1		8260B	Total/NA

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121511-KH-035

Lab Sample ID: 240-7036-3

No Detections

Client Sample ID: TB-121511-KH-036

Lab Sample ID: 240-7036-4

No Detections

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Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

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

Client Sample ID: WG-121211-DF-001
Date Collected: 12/12/11 10:20
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 00:07	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:07	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 00:07	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 00:07	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 00:07	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 00:07	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 00:07	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 00:07	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 00:07	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 00:07	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 00:07	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 00:07	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 00:07	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 00:07	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 00:07	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 00:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 00:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 00:07	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 00:07	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 00:07	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 00:07	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 00:07	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 00:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 00:07	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 00:07	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 00:07	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 00:07	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 00:07	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 00:07	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 00:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 00:07	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 00:07	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 00:07	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 00:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 00:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 00:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 00:07	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:07	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 00:07	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 00:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 00:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 00:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 00:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:07	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 00:07	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 00:07	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 00:07	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		63 - 129		12/21/11 00:07	1
4-Bromofluorobenzene (Surr)	80		66 - 117		12/21/11 00:07	1
Toluene-d8 (Surr)	92		74 - 115		12/21/11 00:07	1
Dibromofluoromethane (Surr)	93		75 - 121		12/21/11 00:07	1

Client Sample ID: WG-121211-DF-003
Date Collected: 12/12/11 12:10
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-2
Matrix: Water

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 00:29	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:29	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 00:29	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 00:29	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 00:29	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 00:29	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 00:29	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 00:29	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 00:29	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 00:29	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 00:29	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 00:29	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 00:29	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 00:29	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 00:29	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 00:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 00:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 00:29	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 00:29	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 00:29	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 00:29	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 00:29	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 00:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 00:29	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 00:29	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 00:29	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 00:29	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 00:29	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 00:29	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 00:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 00:29	1
Cyclohexane	0.30	J	1.0	0.12	ug/L			12/21/11 00:29	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 00:29	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 00:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 00:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 00:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 00:29	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:29	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 00:29	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 00:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 00:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 00:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:29	1

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

Client Sample ID: WG-121211-DF-003
Date Collected: 12/12/11 12:10
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 00:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:29	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 00:29	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 00:29	1
Methylcyclohexane	0.68	J	1.0	0.13	ug/L			12/21/11 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*12/21/11 00:29*	*1*
4-Bromofluorobenzene (Surr)	*84*		*66 - 117*		*12/21/11 00:29*	*1*
Toluene-d8 (Surr)	*91*		*74 - 115*		*12/21/11 00:29*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*12/21/11 00:29*	*1*

Client Sample ID: WG-121211-DF-005
Date Collected: 12/12/11 13:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 00:52	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:52	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 00:52	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 00:52	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 00:52	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 00:52	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 00:52	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 00:52	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 00:52	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 00:52	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 00:52	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 00:52	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 00:52	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 00:52	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 00:52	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 00:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 00:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 00:52	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 00:52	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 00:52	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 00:52	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 00:52	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 00:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 00:52	1
Tetrachloroethene	0.34	J	1.0	0.29	ug/L			12/21/11 00:52	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 00:52	1
Trichloroethene	0.90	J	1.0	0.17	ug/L			12/21/11 00:52	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 00:52	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 00:52	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 00:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 00:52	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 00:52	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 00:52	1

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

Client Sample ID: WG-121211-DF-005
Date Collected: 12/12/11 13:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 00:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 00:52	1
cis-1,2-Dichloroethene	0.43	J	1.0	0.17	ug/L			12/21/11 00:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 00:52	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:52	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 00:52	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 00:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 00:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 00:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 00:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 00:52	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 00:52	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 00:52	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*12/21/11 00:52*	*1*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*12/21/11 00:52*	*1*
Toluene-d8 (Surr)	*93*		*74 - 115*		*12/21/11 00:52*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*12/21/11 00:52*	*1*

Client Sample ID: WG-121211-DF-007
Date Collected: 12/12/11 14:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 01:14	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:14	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 01:14	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 01:14	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 01:14	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 01:14	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 01:14	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 01:14	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 01:14	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 01:14	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 01:14	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 01:14	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 01:14	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 01:14	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 01:14	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 01:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 01:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 01:14	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 01:14	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 01:14	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 01:14	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 01:14	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 01:14	1

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

Client Sample ID: WG-121211-DF-007
Date Collected: 12/12/11 14:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 01:14	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 01:14	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 01:14	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 01:14	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 01:14	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 01:14	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 01:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 01:14	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 01:14	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 01:14	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 01:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 01:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 01:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 01:14	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:14	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 01:14	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 01:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 01:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 01:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 01:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:14	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 01:14	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 01:14	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 129*		*12/21/11 01:14*	*1*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*12/21/11 01:14*	*1*
Toluene-d8 (Surr)	*94*		*74 - 115*		*12/21/11 01:14*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*12/21/11 01:14*	*1*

Client Sample ID: WG-121211-DF-009
Date Collected: 12/12/11 16:25
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 01:37	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:37	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 01:37	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 01:37	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 01:37	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 01:37	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 01:37	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 01:37	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 01:37	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 01:37	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 01:37	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 01:37	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 01:37	1

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

Client Sample ID: WG-121211-DF-009
Date Collected: 12/12/11 16:25
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 01:37	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 01:37	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 01:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 01:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 01:37	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 01:37	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 01:37	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 01:37	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 01:37	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 01:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 01:37	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 01:37	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 01:37	1
Trichloroethene	0.21	J	1.0	0.17	ug/L			12/21/11 01:37	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 01:37	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 01:37	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 01:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 01:37	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 01:37	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 01:37	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 01:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 01:37	1
cis-1,2-Dichloroethene	0.31	J	1.0	0.17	ug/L			12/21/11 01:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 01:37	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:37	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 01:37	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 01:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 01:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 01:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 01:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:37	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 01:37	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 01:37	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 129*		*12/21/11 01:37*	*1*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*12/21/11 01:37*	*1*
Toluene-d8 (Surr)	*92*		*74 - 115*		*12/21/11 01:37*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/21/11 01:37*	*1*

Client Sample ID: WG-121211-DF-010
Date Collected: 12/12/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 01:59	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:59	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 01:59	1

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

Client Sample ID: WG-121211-DF-010
Date Collected: 12/12/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 01:59	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 01:59	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 01:59	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 01:59	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 01:59	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 01:59	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 01:59	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 01:59	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 01:59	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 01:59	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 01:59	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 01:59	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 01:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 01:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 01:59	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 01:59	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 01:59	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 01:59	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 01:59	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 01:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 01:59	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 01:59	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 01:59	1
Trichloroethene	0.20	J	1.0	0.17	ug/L			12/21/11 01:59	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 01:59	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 01:59	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 01:59	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 01:59	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 01:59	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 01:59	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 01:59	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 01:59	1
cis-1,2-Dichloroethene	0.30	J	1.0	0.17	ug/L			12/21/11 01:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 01:59	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:59	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 01:59	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 01:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 01:59	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 01:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 01:59	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 01:59	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 01:59	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 01:59	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/21/11 01:59*	*1*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*12/21/11 01:59*	*1*

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

Client Sample ID: WG-121211-DF-010
Date Collected: 12/12/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*74 - 115*		*12/21/11 01:59*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 121*		*12/21/11 01:59*	*1*

Client Sample ID: WG-121211-KH-002
Date Collected: 12/12/11 10:55
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 02:21	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 02:21	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 02:21	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 02:21	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 02:21	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 02:21	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 02:21	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 02:21	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 02:21	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 02:21	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 02:21	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 02:21	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 02:21	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 02:21	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 02:21	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 02:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 02:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 02:21	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 02:21	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 02:21	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 02:21	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 02:21	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 02:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 02:21	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 02:21	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 02:21	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 02:21	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 02:21	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 02:21	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 02:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 02:21	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 02:21	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 02:21	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 02:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 02:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 02:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 02:21	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 02:21	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 02:21	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 02:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 02:21	1

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

Client Sample ID: WG-121211-KH-002
Date Collected: 12/12/11 10:55
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 02:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 02:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 02:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 02:21	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 02:21	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 02:21	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/21/11 02:21*	*1*
4-Bromofluorobenzene (Surr)	*78*		*66 - 117*		*12/21/11 02:21*	*1*
Toluene-d8 (Surr)	*92*		*74 - 115*		*12/21/11 02:21*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 121*		*12/21/11 02:21*	*1*

Client Sample ID: WG-121211-KH-004
Date Collected: 12/12/11 13:44
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 02:44	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 02:44	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 02:44	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 02:44	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 02:44	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 02:44	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 02:44	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 02:44	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 02:44	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 02:44	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 02:44	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 02:44	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 02:44	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 02:44	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 02:44	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 02:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 02:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 02:44	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 02:44	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 02:44	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 02:44	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 02:44	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 02:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 02:44	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 02:44	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 02:44	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 02:44	1
Vinyl chloride	1.3		1.0	0.22	ug/L			12/21/11 02:44	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 02:44	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 02:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 02:44	1

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

Client Sample ID: WG-121211-KH-004
Date Collected: 12/12/11 13:44
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 02:44	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 02:44	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 02:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 02:44	1
cis-1,2-Dichloroethene	23		1.0	0.17	ug/L			12/21/11 02:44	1
trans-1,2-Dichloroethene	1.9		1.0	0.19	ug/L			12/21/11 02:44	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 02:44	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 02:44	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 02:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 02:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 02:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 02:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 02:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 02:44	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 02:44	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 02:44	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/21/11 02:44*	*1*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*12/21/11 02:44*	*1*
Toluene-d8 (Surr)	*93*		*74 - 115*		*12/21/11 02:44*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 121*		*12/21/11 02:44*	*1*

Client Sample ID: WG-121211-KH-006
Date Collected: 12/12/11 15:18
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 03:07	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:07	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 03:07	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 03:07	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 03:07	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 03:07	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 03:07	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 03:07	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 03:07	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 03:07	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 03:07	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 03:07	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 03:07	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 03:07	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 03:07	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 03:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 03:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 03:07	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 03:07	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 03:07	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 03:07	1

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

Client Sample ID: WG-121211-KH-006
Date Collected: 12/12/11 15:18
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 03:07	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 03:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 03:07	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 03:07	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 03:07	1
Trichloroethene	0.30	J	1.0	0.17	ug/L			12/21/11 03:07	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 03:07	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 03:07	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 03:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 03:07	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 03:07	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 03:07	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 03:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 03:07	1
cis-1,2-Dichloroethene	0.67	J	1.0	0.17	ug/L			12/21/11 03:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 03:07	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:07	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 03:07	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 03:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 03:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 03:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 03:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:07	1
Trichlorofluoromethane	6.5		1.0	0.21	ug/L			12/21/11 03:07	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 03:07	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*12/21/11 03:07*	*1*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*12/21/11 03:07*	*1*
Toluene-d8 (Surr)	*94*		*74 - 115*		*12/21/11 03:07*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*12/21/11 03:07*	*1*

Client Sample ID: WG-121211-KH-008
Date Collected: 12/12/11 16:18
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 03:29	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:29	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 03:29	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 03:29	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 03:29	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 03:29	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 03:29	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 03:29	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 03:29	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 03:29	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 03:29	1

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

Client Sample ID: WG-121211-KH-008
Date Collected: 12/12/11 16:18
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 03:29	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 03:29	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 03:29	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 03:29	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 03:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 03:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 03:29	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 03:29	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 03:29	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 03:29	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 03:29	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 03:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 03:29	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 03:29	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 03:29	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 03:29	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 03:29	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 03:29	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 03:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 03:29	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 03:29	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 03:29	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 03:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 03:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 03:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 03:29	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:29	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 03:29	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 03:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 03:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 03:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 03:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:29	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 03:29	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 03:29	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/21/11 03:29*	*1*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*12/21/11 03:29*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*12/21/11 03:29*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/21/11 03:29*	*1*

Client Sample ID: WG-121311-DF-011
Date Collected: 12/13/11 08:50
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 03:51	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

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

Client Sample ID: WG-121311-DF-011
Date Collected: 12/13/11 08:50
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:51	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 03:51	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 03:51	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 03:51	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 03:51	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 03:51	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 03:51	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 03:51	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 03:51	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 03:51	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 03:51	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 03:51	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 03:51	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 03:51	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 03:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 03:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 03:51	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 03:51	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 03:51	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 03:51	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 03:51	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 03:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 03:51	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 03:51	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 03:51	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 03:51	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 03:51	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 03:51	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 03:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 03:51	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 03:51	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 03:51	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 03:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 03:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 03:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 03:51	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:51	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 03:51	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 03:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 03:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 03:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 03:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 03:51	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 03:51	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 03:51	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 03:51	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		63 - 129		12/21/11 03:51	1
4-Bromofluorobenzene (Surr)	82		66 - 117		12/21/11 03:51	1
Toluene-d8 (Surr)	93		74 - 115		12/21/11 03:51	1
Dibromofluoromethane (Surr)	94		75 - 121		12/21/11 03:51	1

Client Sample ID: WG-121311-DF-013
Date Collected: 12/13/11 10:45
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-12
Matrix: Water

8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	70000		20000	2200	ug/L			12/21/11 22:46	2000
Benzene	2000	U	2000	260	ug/L			12/21/11 22:46	2000
Dichlorobromomethane	2000	U	2000	300	ug/L			12/21/11 22:46	2000
Bromoform	2000	U	2000	1300	ug/L			12/21/11 22:46	2000
Bromomethane	2000	U	2000	820	ug/L			12/21/11 22:46	2000
2-Butanone (MEK)	1300	J	20000	1100	ug/L			12/21/11 22:46	2000
Carbon disulfide	2000	U	2000	260	ug/L			12/21/11 22:46	2000
Carbon tetrachloride	2000	U	2000	260	ug/L			12/21/11 22:46	2000
Chlorobenzene	2000	U	2000	300	ug/L			12/21/11 22:46	2000
Chloroethane	2000	U	2000	580	ug/L			12/21/11 22:46	2000
Chloroform	2000	U	2000	320	ug/L			12/21/11 22:46	2000
Chloromethane	2000	U	2000	600	ug/L			12/21/11 22:46	2000
1,1-Dichloroethane	2000	U	2000	300	ug/L			12/21/11 22:46	2000
1,2-Dichloroethane	2000	U	2000	440	ug/L			12/21/11 22:46	2000
1,1-Dichloroethene	2000	U	2000	380	ug/L			12/21/11 22:46	2000
1,2-Dichloropropane	2000	U	2000	360	ug/L			12/21/11 22:46	2000
cis-1,3-Dichloropropene	2000	U	2000	280	ug/L			12/21/11 22:46	2000
trans-1,3-Dichloropropene	2000	U	2000	380	ug/L			12/21/11 22:46	2000
Ethylbenzene	2400		2000	340	ug/L			12/21/11 22:46	2000
2-Hexanone	20000	U	20000	820	ug/L			12/21/11 22:46	2000
Methylene Chloride	2000	U	2000	660	ug/L			12/21/11 22:46	2000
4-Methyl-2-pentanone (MIBK)	33000		20000	640	ug/L			12/21/11 22:46	2000
Styrene	2000	U	2000	220	ug/L			12/21/11 22:46	2000
1,1,2,2-Tetrachloroethane	2000	U	2000	360	ug/L			12/21/11 22:46	2000
Tetrachloroethene	2000	U	2000	580	ug/L			12/21/11 22:46	2000
Toluene	57000		2000	260	ug/L			12/21/11 22:46	2000
Trichloroethene	2000	U	2000	340	ug/L			12/21/11 22:46	2000
Vinyl chloride	2000	U	2000	440	ug/L			12/21/11 22:46	2000
Xylenes, Total	26000		4000	560	ug/L			12/21/11 22:46	2000
1,1,1-Trichloroethane	2000	U	2000	440	ug/L			12/21/11 22:46	2000
1,1,2-Trichloroethane	2000	U	2000	540	ug/L			12/21/11 22:46	2000
Cyclohexane	2000	U	2000	240	ug/L			12/21/11 22:46	2000
1,2-Dibromo-3-Chloropropane	4000	U	4000	1300	ug/L			12/21/11 22:46	2000
Ethylene Dibromide	2000	U	2000	480	ug/L			12/21/11 22:46	2000
Dichlorodifluoromethane	2000	U	2000	620	ug/L			12/21/11 22:46	2000
cis-1,2-Dichloroethene	2000	U	2000	340	ug/L			12/21/11 22:46	2000
trans-1,2-Dichloroethene	2000	U	2000	380	ug/L			12/21/11 22:46	2000
Isopropylbenzene	2000	U	2000	260	ug/L			12/21/11 22:46	2000
Methyl acetate	20000	U	20000	760	ug/L			12/21/11 22:46	2000
Methyl tert-butyl ether	10000	U	10000	340	ug/L			12/21/11 22:46	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U	2000	560	ug/L			12/21/11 22:46	2000
1,2,4-Trichlorobenzene	2000	U	2000	300	ug/L			12/21/11 22:46	2000
1,2-Dichlorobenzene	2000	U	2000	260	ug/L			12/21/11 22:46	2000

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

Client Sample ID: WG-121311-DF-013
Date Collected: 12/13/11 10:45
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	2000	U	2000	280	ug/L			12/21/11 22:46	2000
1,4-Dichlorobenzene	2000	U	2000	260	ug/L			12/21/11 22:46	2000
Trichlorofluoromethane	2000	U	2000	420	ug/L			12/21/11 22:46	2000
Chlorodibromomethane	2000	U	2000	360	ug/L			12/21/11 22:46	2000
Methylcyclohexane	2000	U	2000	260	ug/L			12/21/11 22:46	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*		*12/21/11 22:46*	*2000*
4-Bromofluorobenzene (Surr)	*91*		*66 - 117*		*12/21/11 22:46*	*2000*
Toluene-d8 (Surr)	*99*		*74 - 115*		*12/21/11 22:46*	*2000*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/21/11 22:46*	*2000*

Client Sample ID: WG-121311-DF-014
Date Collected: 12/13/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	70000		20000	2200	ug/L			12/21/11 23:08	2000
Benzene	2000	U	2000	260	ug/L			12/21/11 23:08	2000
Dichlorobromomethane	2000	U	2000	300	ug/L			12/21/11 23:08	2000
Bromoform	2000	U	2000	1300	ug/L			12/21/11 23:08	2000
Bromomethane	2000	U	2000	820	ug/L			12/21/11 23:08	2000
2-Butanone (MEK)	1100	J	20000	1100	ug/L			12/21/11 23:08	2000
Carbon disulfide	2000	U	2000	260	ug/L			12/21/11 23:08	2000
Carbon tetrachloride	2000	U	2000	260	ug/L			12/21/11 23:08	2000
Chlorobenzene	2000	U	2000	300	ug/L			12/21/11 23:08	2000
Chloroethane	2000	U	2000	580	ug/L			12/21/11 23:08	2000
Chloroform	2000	U	2000	320	ug/L			12/21/11 23:08	2000
Chloromethane	2000	U	2000	600	ug/L			12/21/11 23:08	2000
1,1-Dichloroethane	2000	U	2000	300	ug/L			12/21/11 23:08	2000
1,2-Dichloroethane	2000	U	2000	440	ug/L			12/21/11 23:08	2000
1,1-Dichloroethene	2000	U	2000	380	ug/L			12/21/11 23:08	2000
1,2-Dichloropropane	2000	U	2000	360	ug/L			12/21/11 23:08	2000
cis-1,3-Dichloropropene	2000	U	2000	280	ug/L			12/21/11 23:08	2000
trans-1,3-Dichloropropene	2000	U	2000	380	ug/L			12/21/11 23:08	2000
Ethylbenzene	2600		2000	340	ug/L			12/21/11 23:08	2000
2-Hexanone	20000	U	20000	820	ug/L			12/21/11 23:08	2000
Methylene Chloride	2000	U	2000	660	ug/L			12/21/11 23:08	2000
4-Methyl-2-pentanone (MIBK)	34000		20000	640	ug/L			12/21/11 23:08	2000
Styrene	2000	U	2000	220	ug/L			12/21/11 23:08	2000
1,1,2,2-Tetrachloroethane	2000	U	2000	360	ug/L			12/21/11 23:08	2000
Tetrachloroethene	2000	U	2000	580	ug/L			12/21/11 23:08	2000
Toluene	61000		2000	260	ug/L			12/21/11 23:08	2000
Trichloroethene	2000	U	2000	340	ug/L			12/21/11 23:08	2000
Vinyl chloride	2000	U	2000	440	ug/L			12/21/11 23:08	2000
Xylenes, Total	28000		4000	560	ug/L			12/21/11 23:08	2000
1,1,1-Trichloroethane	2000	U	2000	440	ug/L			12/21/11 23:08	2000
1,1,2-Trichloroethane	2000	U	2000	540	ug/L			12/21/11 23:08	2000
Cyclohexane	2000	U	2000	240	ug/L			12/21/11 23:08	2000
1,2-Dibromo-3-Chloropropane	4000	U	4000	1300	ug/L			12/21/11 23:08	2000

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

Client Sample ID: WG-121311-DF-014
Date Collected: 12/13/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	2000	U	2000	480	ug/L			12/21/11 23:08	2000
Dichlorodifluoromethane	2000	U	2000	620	ug/L			12/21/11 23:08	2000
cis-1,2-Dichloroethene	2000	U	2000	340	ug/L			12/21/11 23:08	2000
trans-1,2-Dichloroethene	2000	U	2000	380	ug/L			12/21/11 23:08	2000
Isopropylbenzene	2000	U	2000	260	ug/L			12/21/11 23:08	2000
Methyl acetate	20000	U	20000	760	ug/L			12/21/11 23:08	2000
Methyl tert-butyl ether	10000	U	10000	340	ug/L			12/21/11 23:08	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U	2000	560	ug/L			12/21/11 23:08	2000
1,2,4-Trichlorobenzene	2000	U	2000	300	ug/L			12/21/11 23:08	2000
1,2-Dichlorobenzene	2000	U	2000	260	ug/L			12/21/11 23:08	2000
1,3-Dichlorobenzene	2000	U	2000	280	ug/L			12/21/11 23:08	2000
1,4-Dichlorobenzene	2000	U	2000	260	ug/L			12/21/11 23:08	2000
Trichlorofluoromethane	2000	U	2000	420	ug/L			12/21/11 23:08	2000
Chlorodibromomethane	2000	U	2000	360	ug/L			12/21/11 23:08	2000
Methylcyclohexane	2000	U	2000	260	ug/L			12/21/11 23:08	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 129*		*12/21/11 23:08*	*2000*
4-Bromofluorobenzene (Surr)	*91*		*66 - 117*		*12/21/11 23:08*	*2000*
Toluene-d8 (Surr)	*99*		*74 - 115*		*12/21/11 23:08*	*2000*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/21/11 23:08*	*2000*

Client Sample ID: WG-121311-DF-018
Date Collected: 12/13/11 13:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	67	U	67	7.3	ug/L			12/21/11 07:14	6.67
Benzene	6.7	U	6.7	0.87	ug/L			12/21/11 07:14	6.67
Dichlorobromomethane	6.7	U	6.7	1.0	ug/L			12/21/11 07:14	6.67
Bromoform	6.7	U	6.7	4.3	ug/L			12/21/11 07:14	6.67
Bromomethane	6.7	U	6.7	2.7	ug/L			12/21/11 07:14	6.67
2-Butanone (MEK)	67	U	67	3.8	ug/L			12/21/11 07:14	6.67
Carbon disulfide	6.7	U	6.7	0.87	ug/L			12/21/11 07:14	6.67
Carbon tetrachloride	6.7	U	6.7	0.87	ug/L			12/21/11 07:14	6.67
Chlorobenzene	6.7	U	6.7	1.0	ug/L			12/21/11 07:14	6.67
Chloroethane	6.7	U	6.7	1.9	ug/L			12/21/11 07:14	6.67
Chloroform	6.7	U	6.7	1.1	ug/L			12/21/11 07:14	6.67
Chloromethane	6.7	U	6.7	2.0	ug/L			12/21/11 07:14	6.67
1,1-Dichloroethane	6.7	U	6.7	1.0	ug/L			12/21/11 07:14	6.67
1,2-Dichloroethane	6.7	U	6.7	1.5	ug/L			12/21/11 07:14	6.67
1,1-Dichloroethene	6.7	U	6.7	1.3	ug/L			12/21/11 07:14	6.67
1,2-Dichloropropane	6.7	U	6.7	1.2	ug/L			12/21/11 07:14	6.67
cis-1,3-Dichloropropene	6.7	U	6.7	0.93	ug/L			12/21/11 07:14	6.67
trans-1,3-Dichloropropene	6.7	U	6.7	1.3	ug/L			12/21/11 07:14	6.67
Ethylbenzene	3.2	J	6.7	1.1	ug/L			12/21/11 07:14	6.67
2-Hexanone	67	U	67	2.7	ug/L			12/21/11 07:14	6.67
Methylene Chloride	6.7	U	6.7	2.2	ug/L			12/21/11 07:14	6.67
4-Methyl-2-pentanone (MIBK)	67	U	67	2.1	ug/L			12/21/11 07:14	6.67
Styrene	6.7	U	6.7	0.73	ug/L			12/21/11 07:14	6.67

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

Client Sample ID: WG-121311-DF-018
Date Collected: 12/13/11 13:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	6.7	U	6.7	1.2	ug/L			12/21/11 07:14	6.67
Tetrachloroethene	6.7	U	6.7	1.9	ug/L			12/21/11 07:14	6.67
Toluene	39		6.7	0.87	ug/L			12/21/11 07:14	6.67
Trichloroethene	6.7	U	6.7	1.1	ug/L			12/21/11 07:14	6.67
Vinyl chloride	3.1	J	6.7	1.5	ug/L			12/21/11 07:14	6.67
Xylenes, Total	33		13	1.9	ug/L			12/21/11 07:14	6.67
1,1,1-Trichloroethane	6.7	U	6.7	1.5	ug/L			12/21/11 07:14	6.67
1,1,2-Trichloroethane	6.7	U	6.7	1.8	ug/L			12/21/11 07:14	6.67
Cyclohexane	6.7	U	6.7	0.80	ug/L			12/21/11 07:14	6.67
1,2-Dibromo-3-Chloropropane	13	U	13	4.5	ug/L			12/21/11 07:14	6.67
Ethylene Dibromide	6.7	U	6.7	1.6	ug/L			12/21/11 07:14	6.67
Dichlorodifluoromethane	6.7	U	6.7	2.1	ug/L			12/21/11 07:14	6.67
cis-1,2-Dichloroethene	140		6.7	1.1	ug/L			12/21/11 07:14	6.67
trans-1,2-Dichloroethene	2.9	J	6.7	1.3	ug/L			12/21/11 07:14	6.67
Isopropylbenzene	6.7	U	6.7	0.87	ug/L			12/21/11 07:14	6.67
Methyl acetate	67	U	67	2.5	ug/L			12/21/11 07:14	6.67
Methyl tert-butyl ether	33	U	33	1.1	ug/L			12/21/11 07:14	6.67
1,1,2-Trichloro-1,2,2-trifluoroethane	6.7	U	6.7	1.9	ug/L			12/21/11 07:14	6.67
1,2,4-Trichlorobenzene	6.7	U	6.7	1.0	ug/L			12/21/11 07:14	6.67
1,2-Dichlorobenzene	6.7	U	6.7	0.87	ug/L			12/21/11 07:14	6.67
1,3-Dichlorobenzene	6.7	U	6.7	0.93	ug/L			12/21/11 07:14	6.67
1,4-Dichlorobenzene	6.7	U	6.7	0.87	ug/L			12/21/11 07:14	6.67
Trichlorofluoromethane	6.7	U	6.7	1.4	ug/L			12/21/11 07:14	6.67
Chlorodibromomethane	6.7	U	6.7	1.2	ug/L			12/21/11 07:14	6.67
Methylcyclohexane	6.7	U	6.7	0.87	ug/L			12/21/11 07:14	6.67

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*12/21/11 07:14*	*6.67*
4-Bromofluorobenzene (Surr)	*86*		*66 - 117*		*12/21/11 07:14*	*6.67*
Toluene-d8 (Surr)	*92*		*74 - 115*		*12/21/11 07:14*	*6.67*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*12/21/11 07:14*	*6.67*

Client Sample ID: WG-121311-DF-020
Date Collected: 12/13/11 14:40
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 04:13	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:13	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 04:13	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 04:13	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 04:13	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 04:13	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 04:13	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 04:13	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 04:13	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 04:13	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 04:13	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 04:13	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 04:13	1

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

Client Sample ID: WG-121311-DF-020
Date Collected: 12/13/11 14:40
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 04:13	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 04:13	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 04:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 04:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 04:13	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 04:13	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 04:13	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 04:13	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 04:13	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 04:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 04:13	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 04:13	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 04:13	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 04:13	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 04:13	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 04:13	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 04:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 04:13	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 04:13	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 04:13	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 04:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 04:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 04:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 04:13	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:13	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 04:13	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 04:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 04:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 04:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 04:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:13	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 04:13	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 04:13	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/21/11 04:13*	*1*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*12/21/11 04:13*	*1*
Toluene-d8 (Surr)	*94*		*74 - 115*		*12/21/11 04:13*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/21/11 04:13*	*1*

Client Sample ID: WG-121311-KH-012
Date Collected: 12/13/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 04:36	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:36	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 04:36	1

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

Client Sample ID: WG-121311-KH-012
Date Collected: 12/13/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 04:36	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 04:36	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 04:36	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 04:36	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 04:36	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 04:36	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 04:36	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 04:36	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 04:36	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 04:36	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 04:36	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 04:36	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 04:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 04:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 04:36	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 04:36	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 04:36	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 04:36	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 04:36	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 04:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 04:36	1
Tetrachloroethene	0.30	J	1.0	0.29	ug/L			12/21/11 04:36	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 04:36	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 04:36	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 04:36	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 04:36	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 04:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 04:36	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 04:36	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 04:36	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 04:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 04:36	1
cis-1,2-Dichloroethene	5.7		1.0	0.17	ug/L			12/21/11 04:36	1
trans-1,2-Dichloroethene	0.73	J	1.0	0.19	ug/L			12/21/11 04:36	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:36	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 04:36	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 04:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 04:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 04:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 04:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:36	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 04:36	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 04:36	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 129*		*12/21/11 04:36*	*1*
4-Bromofluorobenzene (Surr)	*88*		*66 - 117*		*12/21/11 04:36*	*1*

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

Client Sample ID: WG-121311-KH-012
Date Collected: 12/13/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-16
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*74 - 115*		*12/21/11 04:36*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 121*		*12/21/11 04:36*	*1*

Client Sample ID: WG-121311-KH-015
Date Collected: 12/13/11 10:50
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-17
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 04:59	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:59	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 04:59	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 04:59	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 04:59	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 04:59	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 04:59	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 04:59	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 04:59	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 04:59	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 04:59	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 04:59	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 04:59	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 04:59	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 04:59	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 04:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 04:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 04:59	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 04:59	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 04:59	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 04:59	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 04:59	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 04:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 04:59	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 04:59	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 04:59	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 04:59	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 04:59	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 04:59	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 04:59	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 04:59	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 04:59	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 04:59	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 04:59	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 04:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 04:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 04:59	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:59	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 04:59	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 04:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 04:59	1

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

Client Sample ID: WG-121311-KH-015
Date Collected: 12/13/11 10:50
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-17
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 04:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 04:59	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 04:59	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 04:59	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 04:59	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 129*		*12/21/11 04:59*	*1*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*12/21/11 04:59*	*1*
Toluene-d8 (Surr)	*96*		*74 - 115*		*12/21/11 04:59*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 121*		*12/21/11 04:59*	*1*

Client Sample ID: WG-121311-KH-016
Date Collected: 12/13/11 11:47
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-18
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 05:21	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 05:21	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 05:21	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 05:21	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 05:21	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 05:21	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 05:21	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 05:21	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 05:21	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 05:21	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 05:21	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 05:21	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 05:21	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 05:21	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 05:21	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 05:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 05:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 05:21	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 05:21	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 05:21	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 05:21	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 05:21	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 05:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 05:21	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 05:21	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 05:21	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 05:21	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 05:21	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 05:21	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 05:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 05:21	1

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

Client Sample ID: WG-121311-KH-016
Date Collected: 12/13/11 11:47
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-18
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 05:21	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 05:21	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 05:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 05:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 05:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 05:21	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 05:21	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 05:21	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 05:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 05:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 05:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 05:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 05:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 05:21	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 05:21	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 05:21	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*		*12/21/11 05:21*	*1*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*12/21/11 05:21*	*1*
Toluene-d8 (Surr)	*92*		*74 - 115*		*12/21/11 05:21*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*12/21/11 05:21*	*1*

Client Sample ID: WG-121311-KH-017
Date Collected: 12/13/11 12:52
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 05:43	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 05:43	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 05:43	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 05:43	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 05:43	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 05:43	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 05:43	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 05:43	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 05:43	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 05:43	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 05:43	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 05:43	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 05:43	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 05:43	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 05:43	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 05:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 05:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 05:43	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 05:43	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 05:43	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 05:43	1

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

Client Sample ID: WG-121311-KH-017
Date Collected: 12/13/11 12:52
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 05:43	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 05:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 05:43	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 05:43	1
Toluene	0.31	J	1.0	0.13	ug/L			12/21/11 05:43	1
Trichloroethene	0.24	J	1.0	0.17	ug/L			12/21/11 05:43	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 05:43	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 05:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 05:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 05:43	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 05:43	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 05:43	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 05:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 05:43	1
cis-1,2-Dichloroethene	4.0		1.0	0.17	ug/L			12/21/11 05:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 05:43	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 05:43	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 05:43	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 05:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 05:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 05:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 05:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 05:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 05:43	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 05:43	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 05:43	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*12/21/11 05:43*	*1*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*12/21/11 05:43*	*1*
Toluene-d8 (Surr)	*91*		*74 - 115*		*12/21/11 05:43*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/21/11 05:43*	*1*

Client Sample ID: WG-121311-KH-019
Date Collected: 12/13/11 14:05
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 06:06	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:06	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 06:06	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 06:06	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 06:06	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 06:06	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 06:06	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 06:06	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 06:06	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 06:06	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 06:06	1

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

Client Sample ID: WG-121311-KH-019
Date Collected: 12/13/11 14:05
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 06:06	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 06:06	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 06:06	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 06:06	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 06:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 06:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 06:06	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 06:06	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 06:06	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 06:06	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 06:06	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 06:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 06:06	1
Tetrachloroethene	6.2		1.0	0.29	ug/L			12/21/11 06:06	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 06:06	1
Trichloroethene	0.58	J	1.0	0.17	ug/L			12/21/11 06:06	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 06:06	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 06:06	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 06:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 06:06	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 06:06	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 06:06	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 06:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 06:06	1
cis-1,2-Dichloroethene	1.6		1.0	0.17	ug/L			12/21/11 06:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 06:06	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:06	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 06:06	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 06:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 06:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 06:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 06:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:06	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 06:06	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 06:06	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*		*12/21/11 06:06*	*1*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*12/21/11 06:06*	*1*
Toluene-d8 (Surr)	*93*		*74 - 115*		*12/21/11 06:06*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/21/11 06:06*	*1*

Client Sample ID: WG-121311-KH-021
Date Collected: 12/13/11 15:40
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-21
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 06:29	1

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

Client Sample ID: WG-121311-KH-021
Date Collected: 12/13/11 15:40
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-21
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:29	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 06:29	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 06:29	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 06:29	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 06:29	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 06:29	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 06:29	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 06:29	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 06:29	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 06:29	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 06:29	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 06:29	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 06:29	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 06:29	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 06:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 06:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 06:29	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 06:29	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 06:29	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 06:29	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 06:29	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 06:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 06:29	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 06:29	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 06:29	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 06:29	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 06:29	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 06:29	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 06:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 06:29	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 06:29	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 06:29	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 06:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 06:29	1
cis-1,2-Dichloroethene	0.18	J	1.0	0.17	ug/L			12/21/11 06:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 06:29	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:29	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 06:29	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 06:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 06:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 06:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 06:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:29	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 06:29	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 06:29	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 06:29	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		63 - 129		12/21/11 06:29	1
4-Bromofluorobenzene (Surr)	81		66 - 117		12/21/11 06:29	1
Toluene-d8 (Surr)	94		74 - 115		12/21/11 06:29	1
Dibromofluoromethane (Surr)	97		75 - 121		12/21/11 06:29	1

Client Sample ID: WG-121311-KH-022
Date Collected: 12/13/11 14:55
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-22
Matrix: Water

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16		10	1.1	ug/L			12/21/11 06:51	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:51	1
Dichlorobromomethane	0.32	J	1.0	0.15	ug/L			12/21/11 06:51	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 06:51	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 06:51	1
2-Butanone (MEK)	3.8	J	10	0.57	ug/L			12/21/11 06:51	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 06:51	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 06:51	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 06:51	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 06:51	1
Chloroform	0.40	J	1.0	0.16	ug/L			12/21/11 06:51	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 06:51	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 06:51	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 06:51	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 06:51	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 06:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 06:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 06:51	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 06:51	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 06:51	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 06:51	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 06:51	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 06:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 06:51	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 06:51	1
Toluene	0.23	J	1.0	0.13	ug/L			12/21/11 06:51	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 06:51	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 06:51	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 06:51	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 06:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 06:51	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 06:51	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 06:51	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 06:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 06:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 06:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 06:51	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:51	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 06:51	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 06:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 06:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 06:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:51	1

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

Client Sample ID: WG-121311-KH-022
Date Collected: 12/13/11 14:55
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-22
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 06:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 06:51	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 06:51	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 06:51	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 129*		*12/21/11 06:51*	*1*
4-Bromofluorobenzene (Surr)	*77*		*66 - 117*		*12/21/11 06:51*	*1*
Toluene-d8 (Surr)	*93*		*74 - 115*		*12/21/11 06:51*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/21/11 06:51*	*1*

Client Sample ID: WG-121411-DF-023
Date Collected: 12/14/11 08:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 19:25	1
Benzene	0.15	J	1.0	0.13	ug/L			12/21/11 19:25	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 19:25	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 19:25	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 19:25	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 19:25	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 19:25	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 19:25	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 19:25	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 19:25	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 19:25	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 19:25	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 19:25	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 19:25	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 19:25	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 19:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 19:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 19:25	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 19:25	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 19:25	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 19:25	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 19:25	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 19:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 19:25	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 19:25	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 19:25	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 19:25	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 19:25	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 19:25	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 19:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 19:25	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 19:25	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 19:25	1

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

Client Sample ID: WG-121411-DF-023
Date Collected: 12/14/11 08:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 19:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 19:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 19:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 19:25	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 19:25	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 19:25	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 19:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 19:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 19:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 19:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 19:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 19:25	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 19:25	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 19:25	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*		*12/21/11 19:25*	*1*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*12/21/11 19:25*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*12/21/11 19:25*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 121*		*12/21/11 19:25*	*1*

Client Sample ID: WG-121411-DF-025
Date Collected: 12/14/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/21/11 23:31	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 23:31	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 23:31	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 23:31	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 23:31	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 23:31	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 23:31	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 23:31	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 23:31	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 23:31	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 23:31	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 23:31	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 23:31	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 23:31	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 23:31	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 23:31	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 23:31	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 23:31	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 23:31	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 23:31	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 23:31	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 23:31	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 23:31	1

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

Client Sample ID: WG-121411-DF-025
Date Collected: 12/14/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 23:31	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 23:31	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 23:31	1
Trichloroethene	0.50	J	1.0	0.17	ug/L			12/21/11 23:31	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 23:31	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 23:31	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 23:31	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 23:31	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 23:31	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 23:31	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 23:31	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 23:31	1
cis-1,2-Dichloroethene	7.1		1.0	0.17	ug/L			12/21/11 23:31	1
trans-1,2-Dichloroethene	0.31	J	1.0	0.19	ug/L			12/21/11 23:31	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 23:31	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 23:31	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 23:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 23:31	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 23:31	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 23:31	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 23:31	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 23:31	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 23:31	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 23:31	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/21/11 23:31*	*1*
4-Bromofluorobenzene (Surr)	*78*		*66 - 117*		*12/21/11 23:31*	*1*
Toluene-d8 (Surr)	*91*		*74 - 115*		*12/21/11 23:31*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*12/21/11 23:31*	*1*

Client Sample ID: WG-121411-DF-027
Date Collected: 12/14/11 11:20
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-25
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	44	J	100	11	ug/L			12/21/11 23:53	10
Benzene	45		10	1.3	ug/L			12/21/11 23:53	10
Dichlorobromomethane	10	U	10	1.5	ug/L			12/21/11 23:53	10
Bromoform	10	U	10	6.4	ug/L			12/21/11 23:53	10
Bromomethane	10	U	10	4.1	ug/L			12/21/11 23:53	10
2-Butanone (MEK)	110		100	5.7	ug/L			12/21/11 23:53	10
Carbon disulfide	10	U	10	1.3	ug/L			12/21/11 23:53	10
Carbon tetrachloride	10	U	10	1.3	ug/L			12/21/11 23:53	10
Chlorobenzene	10	U	10	1.5	ug/L			12/21/11 23:53	10
Chloroethane	10	U	10	2.9	ug/L			12/21/11 23:53	10
Chloroform	10	U	10	1.6	ug/L			12/21/11 23:53	10
Chloromethane	10	U	10	3.0	ug/L			12/21/11 23:53	10
1,1-Dichloroethane	10	U	10	1.5	ug/L			12/21/11 23:53	10

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

Client Sample ID: WG-121411-DF-027
Date Collected: 12/14/11 11:20
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-25
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	10	U	10	2.2	ug/L			12/21/11 23:53	10
1,1-Dichloroethene	10	U	10	1.9	ug/L			12/21/11 23:53	10
1,2-Dichloropropane	10	U	10	1.8	ug/L			12/21/11 23:53	10
cis-1,3-Dichloropropene	10	U	10	1.4	ug/L			12/21/11 23:53	10
trans-1,3-Dichloropropene	10	U	10	1.9	ug/L			12/21/11 23:53	10
Ethylbenzene	8.1	J	10	1.7	ug/L			12/21/11 23:53	10
2-Hexanone	100	U	100	4.1	ug/L			12/21/11 23:53	10
Methylene Chloride	10	U	10	3.3	ug/L			12/21/11 23:53	10
4-Methyl-2-pentanone (MIBK)	100	U	100	3.2	ug/L			12/21/11 23:53	10
Styrene	10	U	10	1.1	ug/L			12/21/11 23:53	10
1,1,2,2-Tetrachloroethane	10	U	10	1.8	ug/L			12/21/11 23:53	10
Tetrachloroethene	10	U	10	2.9	ug/L			12/21/11 23:53	10
Toluene	10	U	10	1.3	ug/L			12/21/11 23:53	10
Trichloroethene	10	U	10	1.7	ug/L			12/21/11 23:53	10
Vinyl chloride	10	U	10	2.2	ug/L			12/21/11 23:53	10
Xylenes, Total	20	U	20	2.8	ug/L			12/21/11 23:53	10
1,1,1-Trichloroethane	10	U	10	2.2	ug/L			12/21/11 23:53	10
1,1,2-Trichloroethane	10	U	10	2.7	ug/L			12/21/11 23:53	10
Cyclohexane	1.5	J	10	1.2	ug/L			12/21/11 23:53	10
1,2-Dibromo-3-Chloropropane	20	U	20	6.7	ug/L			12/21/11 23:53	10
Ethylene Dibromide	10	U	10	2.4	ug/L			12/21/11 23:53	10
Dichlorodifluoromethane	10	U	10	3.1	ug/L			12/21/11 23:53	10
cis-1,2-Dichloroethene	10	U	10	1.7	ug/L			12/21/11 23:53	10
trans-1,2-Dichloroethene	10	U	10	1.9	ug/L			12/21/11 23:53	10
Isopropylbenzene	10	U	10	1.3	ug/L			12/21/11 23:53	10
Methyl acetate	100	U	100	3.8	ug/L			12/21/11 23:53	10
Methyl tert-butyl ether	50	U	50	1.7	ug/L			12/21/11 23:53	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	2.8	ug/L			12/21/11 23:53	10
1,2,4-Trichlorobenzene	10	U	10	1.5	ug/L			12/21/11 23:53	10
1,2-Dichlorobenzene	10	U	10	1.3	ug/L			12/21/11 23:53	10
1,3-Dichlorobenzene	10	U	10	1.4	ug/L			12/21/11 23:53	10
1,4-Dichlorobenzene	10	U	10	1.3	ug/L			12/21/11 23:53	10
Trichlorofluoromethane	10	U	10	2.1	ug/L			12/21/11 23:53	10
Chlorodibromomethane	10	U	10	1.8	ug/L			12/21/11 23:53	10
Methylcyclohexane	10	U	10	1.3	ug/L			12/21/11 23:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*12/21/11 23:53*	*10*
4-Bromofluorobenzene (Surr)	*86*		*66 - 117*		*12/21/11 23:53*	*10*
Toluene-d8 (Surr)	*90*		*74 - 115*		*12/21/11 23:53*	*10*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*12/21/11 23:53*	*10*

Client Sample ID: WG-121411-DF-028
Date Collected: 12/14/11 12:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/22/11 00:16	1
Benzene	1.0	U	1.0	0.13	ug/L			12/22/11 00:16	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/22/11 00:16	1

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

Client Sample ID: WG-121411-DF-028
Date Collected: 12/14/11 12:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.64	ug/L			12/22/11 00:16	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/22/11 00:16	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/22/11 00:16	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/22/11 00:16	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/22/11 00:16	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 00:16	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/22/11 00:16	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/22/11 00:16	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/22/11 00:16	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/22/11 00:16	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 00:16	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 00:16	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/22/11 00:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/22/11 00:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/22/11 00:16	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/22/11 00:16	1
2-Hexanone	10	U	10	0.41	ug/L			12/22/11 00:16	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/22/11 00:16	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/22/11 00:16	1
Styrene	1.0	U	1.0	0.11	ug/L			12/22/11 00:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/22/11 00:16	1
Tetrachloroethene	1.1		1.0	0.29	ug/L			12/22/11 00:16	1
Toluene	1.0	U	1.0	0.13	ug/L			12/22/11 00:16	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 00:16	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/22/11 00:16	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/22/11 00:16	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 00:16	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/22/11 00:16	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/22/11 00:16	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/22/11 00:16	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/22/11 00:16	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/22/11 00:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 00:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 00:16	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/22/11 00:16	1
Methyl acetate	10	U	10	0.38	ug/L			12/22/11 00:16	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/22/11 00:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/22/11 00:16	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 00:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 00:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/22/11 00:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 00:16	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/22/11 00:16	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/22/11 00:16	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/22/11 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/22/11 00:16*	*1*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*12/22/11 00:16*	*1*

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

Client Sample ID: WG-121411-DF-028
Date Collected: 12/14/11 12:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-26
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*74 - 115*		*12/22/11 00:16*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*12/22/11 00:16*	*1*

Client Sample ID: WG-121411-KH-024
Date Collected: 12/14/11 09:57
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-27
Matrix: Water

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/22/11 00:38	1
Benzene	1.0	U	1.0	0.13	ug/L			12/22/11 00:38	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/22/11 00:38	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/22/11 00:38	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/22/11 00:38	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/22/11 00:38	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/22/11 00:38	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/22/11 00:38	1
Chlorobenzene	0.16	J	1.0	0.15	ug/L			12/22/11 00:38	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/22/11 00:38	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/22/11 00:38	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/22/11 00:38	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/22/11 00:38	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 00:38	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 00:38	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/22/11 00:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/22/11 00:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/22/11 00:38	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/22/11 00:38	1
2-Hexanone	10	U	10	0.41	ug/L			12/22/11 00:38	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/22/11 00:38	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/22/11 00:38	1
Styrene	1.0	U	1.0	0.11	ug/L			12/22/11 00:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/22/11 00:38	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/22/11 00:38	1
Toluene	1.0	U	1.0	0.13	ug/L			12/22/11 00:38	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 00:38	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/22/11 00:38	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/22/11 00:38	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 00:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/22/11 00:38	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/22/11 00:38	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/22/11 00:38	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/22/11 00:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/22/11 00:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 00:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 00:38	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/22/11 00:38	1
Methyl acetate	10	U	10	0.38	ug/L			12/22/11 00:38	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/22/11 00:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/22/11 00:38	1

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

Client Sample ID: WG-121411-KH-024
Date Collected: 12/14/11 09:57
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-27
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 00:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 00:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/22/11 00:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 00:38	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/22/11 00:38	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/22/11 00:38	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/22/11 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*12/22/11 00:38*	*1*
4-Bromofluorobenzene (Surr)	*86*		*66 - 117*		*12/22/11 00:38*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*12/22/11 00:38*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 121*		*12/22/11 00:38*	*1*

Client Sample ID: WG-121411-KH-026
Date Collected: 12/14/11 10:56
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-28
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/22/11 01:01	1
Benzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:01	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/22/11 01:01	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/22/11 01:01	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/22/11 01:01	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/22/11 01:01	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/22/11 01:01	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/22/11 01:01	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 01:01	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/22/11 01:01	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/22/11 01:01	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/22/11 01:01	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/22/11 01:01	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 01:01	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 01:01	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/22/11 01:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/22/11 01:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/22/11 01:01	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/22/11 01:01	1
2-Hexanone	10	U	10	0.41	ug/L			12/22/11 01:01	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/22/11 01:01	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/22/11 01:01	1
Styrene	1.0	U	1.0	0.11	ug/L			12/22/11 01:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/22/11 01:01	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/22/11 01:01	1
Toluene	1.0	U	1.0	0.13	ug/L			12/22/11 01:01	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 01:01	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/22/11 01:01	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/22/11 01:01	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 01:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/22/11 01:01	1

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

Client Sample ID: WG-121411-KH-026
Date Collected: 12/14/11 10:56
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-28
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/22/11 01:01	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/22/11 01:01	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/22/11 01:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/22/11 01:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 01:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 01:01	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:01	1
Methyl acetate	10	U	10	0.38	ug/L			12/22/11 01:01	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/22/11 01:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/22/11 01:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 01:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/22/11 01:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:01	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/22/11 01:01	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/22/11 01:01	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/22/11 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/22/11 01:01*	*1*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*12/22/11 01:01*	*1*
Toluene-d8 (Surr)	*89*		*74 - 115*		*12/22/11 01:01*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*12/22/11 01:01*	*1*

Client Sample ID: WG-121411-KH-029
Date Collected: 12/14/11 13:02
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-29
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.8	J	10	1.1	ug/L			12/22/11 01:23	1
Benzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:23	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/22/11 01:23	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/22/11 01:23	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/22/11 01:23	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/22/11 01:23	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/22/11 01:23	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/22/11 01:23	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 01:23	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/22/11 01:23	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/22/11 01:23	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/22/11 01:23	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/22/11 01:23	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 01:23	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 01:23	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/22/11 01:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/22/11 01:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/22/11 01:23	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/22/11 01:23	1
2-Hexanone	10	U	10	0.41	ug/L			12/22/11 01:23	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/22/11 01:23	1

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

Client Sample ID: WG-121411-KH-029
Date Collected: 12/14/11 13:02
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-29
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/22/11 01:23	1
Styrene	1.0	U	1.0	0.11	ug/L			12/22/11 01:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/22/11 01:23	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/22/11 01:23	1
Toluene	1.0	U	1.0	0.13	ug/L			12/22/11 01:23	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 01:23	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/22/11 01:23	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/22/11 01:23	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 01:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/22/11 01:23	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/22/11 01:23	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/22/11 01:23	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/22/11 01:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/22/11 01:23	1
cis-1,2-Dichloroethene	4.4		1.0	0.17	ug/L			12/22/11 01:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 01:23	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:23	1
Methyl acetate	10	U	10	0.38	ug/L			12/22/11 01:23	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/22/11 01:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/22/11 01:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 01:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/22/11 01:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:23	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/22/11 01:23	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/22/11 01:23	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/22/11 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*		*12/22/11 01:23*	*1*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*12/22/11 01:23*	*1*
Toluene-d8 (Surr)	*94*		*74 - 115*		*12/22/11 01:23*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/22/11 01:23*	*1*

Client Sample ID: WG-121411-KH-030
Date Collected: 12/14/11 14:17
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-30
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/22/11 01:45	1
Benzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:45	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/22/11 01:45	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/22/11 01:45	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/22/11 01:45	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/22/11 01:45	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/22/11 01:45	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/22/11 01:45	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 01:45	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/22/11 01:45	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/22/11 01:45	1

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

Client Sample ID: WG-121411-KH-030
Date Collected: 12/14/11 14:17
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-30
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.30	ug/L			12/22/11 01:45	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/22/11 01:45	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 01:45	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 01:45	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/22/11 01:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/22/11 01:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/22/11 01:45	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/22/11 01:45	1
2-Hexanone	10	U	10	0.41	ug/L			12/22/11 01:45	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/22/11 01:45	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/22/11 01:45	1
Styrene	1.0	U	1.0	0.11	ug/L			12/22/11 01:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/22/11 01:45	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/22/11 01:45	1
Toluene	1.0	U	1.0	0.13	ug/L			12/22/11 01:45	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 01:45	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/22/11 01:45	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/22/11 01:45	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 01:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/22/11 01:45	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/22/11 01:45	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/22/11 01:45	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/22/11 01:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/22/11 01:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 01:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 01:45	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:45	1
Methyl acetate	10	U	10	0.38	ug/L			12/22/11 01:45	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/22/11 01:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/22/11 01:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 01:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/22/11 01:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 01:45	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/22/11 01:45	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/22/11 01:45	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/22/11 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*		*12/22/11 01:45*	*1*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*12/22/11 01:45*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*12/22/11 01:45*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/22/11 01:45*	*1*

Client Sample ID: WG-121411-KH-031
Date Collected: 12/14/11 16:15
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-31
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/22/11 02:07	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

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

Client Sample ID: WG-121411-KH-031
Date Collected: 12/14/11 16:15
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-31
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.13	ug/L			12/22/11 02:07	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/22/11 02:07	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/22/11 02:07	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/22/11 02:07	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/22/11 02:07	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/22/11 02:07	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/22/11 02:07	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 02:07	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/22/11 02:07	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/22/11 02:07	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/22/11 02:07	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/22/11 02:07	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 02:07	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 02:07	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/22/11 02:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/22/11 02:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/22/11 02:07	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/22/11 02:07	1
2-Hexanone	10	U	10	0.41	ug/L			12/22/11 02:07	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/22/11 02:07	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/22/11 02:07	1
Styrene	1.0	U	1.0	0.11	ug/L			12/22/11 02:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/22/11 02:07	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/22/11 02:07	1
Toluene	1.0	U	1.0	0.13	ug/L			12/22/11 02:07	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 02:07	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/22/11 02:07	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/22/11 02:07	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 02:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/22/11 02:07	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/22/11 02:07	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/22/11 02:07	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/22/11 02:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/22/11 02:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 02:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 02:07	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/22/11 02:07	1
Methyl acetate	10	U	10	0.38	ug/L			12/22/11 02:07	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/22/11 02:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/22/11 02:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 02:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 02:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/22/11 02:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 02:07	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/22/11 02:07	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/22/11 02:07	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/22/11 02:07	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		12/22/11 02:07	1
4-Bromofluorobenzene (Surr)	81		66 - 117		12/22/11 02:07	1
Toluene-d8 (Surr)	92		74 - 115		12/22/11 02:07	1
Dibromofluoromethane (Surr)	96		75 - 121		12/22/11 02:07	1

Client Sample ID: TB-121411-KH-032
Date Collected: 12/14/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-32
Matrix: Water

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/22/11 02:30	1
Benzene	1.0	U	1.0	0.13	ug/L			12/22/11 02:30	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/22/11 02:30	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/22/11 02:30	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/22/11 02:30	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/22/11 02:30	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/22/11 02:30	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/22/11 02:30	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 02:30	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/22/11 02:30	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/22/11 02:30	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/22/11 02:30	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/22/11 02:30	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 02:30	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 02:30	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/22/11 02:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/22/11 02:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/22/11 02:30	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/22/11 02:30	1
2-Hexanone	10	U	10	0.41	ug/L			12/22/11 02:30	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/22/11 02:30	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/22/11 02:30	1
Styrene	1.0	U	1.0	0.11	ug/L			12/22/11 02:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/22/11 02:30	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/22/11 02:30	1
Toluene	1.0	U	1.0	0.13	ug/L			12/22/11 02:30	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 02:30	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/22/11 02:30	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/22/11 02:30	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/22/11 02:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/22/11 02:30	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/22/11 02:30	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/22/11 02:30	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/22/11 02:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/22/11 02:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/22/11 02:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/22/11 02:30	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/22/11 02:30	1
Methyl acetate	10	U	10	0.38	ug/L			12/22/11 02:30	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/22/11 02:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/22/11 02:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/22/11 02:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 02:30	1

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

Client Sample ID: TB-121411-KH-032
Date Collected: 12/14/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-32
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/22/11 02:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/22/11 02:30	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/22/11 02:30	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/22/11 02:30	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/22/11 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 129*		*12/22/11 02:30*	*1*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*12/22/11 02:30*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*12/22/11 02:30*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*12/22/11 02:30*	*1*

Client Sample ID: WG-121511-KH-033
Date Collected: 12/15/11 10:17
Date Received: 12/16/11 09:45

Lab Sample ID: 240-7036-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.1	J	10	1.1	ug/L			12/24/11 15:30	1
Benzene	1.0	U	1.0	0.13	ug/L			12/24/11 15:30	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/24/11 15:30	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/24/11 15:30	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/24/11 15:30	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/24/11 15:30	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/24/11 15:30	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/24/11 15:30	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 15:30	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/24/11 15:30	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/24/11 15:30	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/24/11 15:30	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/24/11 15:30	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 15:30	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/24/11 15:30	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/24/11 15:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/24/11 15:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/24/11 15:30	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/24/11 15:30	1
2-Hexanone	10	U	10	0.41	ug/L			12/24/11 15:30	1
Methylene Chloride	1.0	U *	1.0	0.33	ug/L			12/24/11 15:30	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/24/11 15:30	1
Styrene	1.0	U	1.0	0.11	ug/L			12/24/11 15:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/24/11 15:30	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/24/11 15:30	1
Toluene	1.0	U	1.0	0.13	ug/L			12/24/11 15:30	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/24/11 15:30	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/24/11 15:30	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/24/11 15:30	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 15:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/24/11 15:30	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/24/11 15:30	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/24/11 15:30	1

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

Client Sample ID: WG-121511-KH-033
Date Collected: 12/15/11 10:17
Date Received: 12/16/11 09:45

Lab Sample ID: 240-7036-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/24/11 15:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/24/11 15:30	1
cis-1,2-Dichloroethene	1.3		1.0	0.17	ug/L			12/24/11 15:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/24/11 15:30	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/24/11 15:30	1
Methyl acetate	10	U	10	0.38	ug/L			12/24/11 15:30	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/24/11 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/24/11 15:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 15:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 15:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/24/11 15:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 15:30	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/24/11 15:30	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/24/11 15:30	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/24/11 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*63 - 129*		*12/24/11 15:30*	*1*
4-Bromofluorobenzene (Surr)	*86*		*66 - 117*		*12/24/11 15:30*	*1*
Toluene-d8 (Surr)	*104*		*74 - 115*		*12/24/11 15:30*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 121*		*12/24/11 15:30*	*1*

Client Sample ID: WG-121511-KH-034
Date Collected: 12/15/11 13:27
Date Received: 12/16/11 09:45

Lab Sample ID: 240-7036-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/24/11 15:52	1
Benzene	1.0	U	1.0	0.13	ug/L			12/24/11 15:52	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/24/11 15:52	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/24/11 15:52	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/24/11 15:52	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/24/11 15:52	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/24/11 15:52	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/24/11 15:52	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 15:52	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/24/11 15:52	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/24/11 15:52	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/24/11 15:52	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/24/11 15:52	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 15:52	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/24/11 15:52	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/24/11 15:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/24/11 15:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/24/11 15:52	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/24/11 15:52	1
2-Hexanone	10	U	10	0.41	ug/L			12/24/11 15:52	1
Methylene Chloride	1.0	U *	1.0	0.33	ug/L			12/24/11 15:52	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/24/11 15:52	1
Styrene	1.0	U	1.0	0.11	ug/L			12/24/11 15:52	1

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

Client Sample ID: WG-121511-KH-034
Date Collected: 12/15/11 13:27
Date Received: 12/16/11 09:45

Lab Sample ID: 240-7036-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/24/11 15:52	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/24/11 15:52	1
Toluene	1.0	U	1.0	0.13	ug/L			12/24/11 15:52	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/24/11 15:52	1
Vinyl chloride	3.8		1.0	0.22	ug/L			12/24/11 15:52	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/24/11 15:52	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 15:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/24/11 15:52	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/24/11 15:52	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/24/11 15:52	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/24/11 15:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/24/11 15:52	1
cis-1,2-Dichloroethene	25		1.0	0.17	ug/L			12/24/11 15:52	1
trans-1,2-Dichloroethene	0.89	J	1.0	0.19	ug/L			12/24/11 15:52	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/24/11 15:52	1
Methyl acetate	10	U	10	0.38	ug/L			12/24/11 15:52	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/24/11 15:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/24/11 15:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 15:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 15:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/24/11 15:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 15:52	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/24/11 15:52	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/24/11 15:52	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/24/11 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*63 - 129*		*12/24/11 15:52*	*1*
4-Bromofluorobenzene (Surr)	*86*		*66 - 117*		*12/24/11 15:52*	*1*
Toluene-d8 (Surr)	*100*		*74 - 115*		*12/24/11 15:52*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 121*		*12/24/11 15:52*	*1*

Client Sample ID: WG-121511-KH-035
Date Collected: 12/15/11 14:47
Date Received: 12/16/11 09:45

Lab Sample ID: 240-7036-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/24/11 16:13	1
Benzene	1.0	U	1.0	0.13	ug/L			12/24/11 16:13	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/24/11 16:13	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/24/11 16:13	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/24/11 16:13	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/24/11 16:13	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/24/11 16:13	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/24/11 16:13	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 16:13	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/24/11 16:13	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/24/11 16:13	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/24/11 16:13	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/24/11 16:13	1

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

Client Sample ID: WG-121511-KH-035
Date Collected: 12/15/11 14:47
Date Received: 12/16/11 09:45

Lab Sample ID: 240-7036-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 16:13	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/24/11 16:13	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/24/11 16:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/24/11 16:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/24/11 16:13	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/24/11 16:13	1
2-Hexanone	10	U	10	0.41	ug/L			12/24/11 16:13	1
Methylene Chloride	1.0	U *	1.0	0.33	ug/L			12/24/11 16:13	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/24/11 16:13	1
Styrene	1.0	U	1.0	0.11	ug/L			12/24/11 16:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/24/11 16:13	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/24/11 16:13	1
Toluene	1.0	U	1.0	0.13	ug/L			12/24/11 16:13	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/24/11 16:13	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/24/11 16:13	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/24/11 16:13	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 16:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/24/11 16:13	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/24/11 16:13	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/24/11 16:13	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/24/11 16:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/24/11 16:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/24/11 16:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/24/11 16:13	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/24/11 16:13	1
Methyl acetate	10	U	10	0.38	ug/L			12/24/11 16:13	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/24/11 16:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/24/11 16:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 16:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 16:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/24/11 16:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 16:13	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/24/11 16:13	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/24/11 16:13	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/24/11 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*63 - 129*		*12/24/11 16:13*	*1*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*12/24/11 16:13*	*1*
Toluene-d8 (Surr)	*99*		*74 - 115*		*12/24/11 16:13*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 121*		*12/24/11 16:13*	*1*

Client Sample ID: TB-121511-KH-036
Date Collected: 12/15/11 00:00
Date Received: 12/16/11 09:45

Lab Sample ID: 240-7036-4
Matrix: WQ

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			12/24/11 16:34	1
Benzene	1.0	U	1.0	0.13	ug/L			12/24/11 16:34	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/24/11 16:34	1

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

Client Sample ID: TB-121511-KH-036
Date Collected: 12/15/11 00:00
Date Received: 12/16/11 09:45

Lab Sample ID: 240-7036-4
Matrix: WQ

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.64	ug/L			12/24/11 16:34	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/24/11 16:34	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/24/11 16:34	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/24/11 16:34	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/24/11 16:34	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 16:34	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/24/11 16:34	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/24/11 16:34	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/24/11 16:34	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/24/11 16:34	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 16:34	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/24/11 16:34	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/24/11 16:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/24/11 16:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/24/11 16:34	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/24/11 16:34	1
2-Hexanone	10	U	10	0.41	ug/L			12/24/11 16:34	1
Methylene Chloride	1.0	U *	1.0	0.33	ug/L			12/24/11 16:34	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/24/11 16:34	1
Styrene	1.0	U	1.0	0.11	ug/L			12/24/11 16:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/24/11 16:34	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/24/11 16:34	1
Toluene	1.0	U	1.0	0.13	ug/L			12/24/11 16:34	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/24/11 16:34	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/24/11 16:34	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/24/11 16:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 16:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/24/11 16:34	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/24/11 16:34	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/24/11 16:34	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/24/11 16:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/24/11 16:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/24/11 16:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/24/11 16:34	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/24/11 16:34	1
Methyl acetate	10	U	10	0.38	ug/L			12/24/11 16:34	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/24/11 16:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/24/11 16:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 16:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 16:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/24/11 16:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 16:34	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/24/11 16:34	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/24/11 16:34	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/24/11 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*63 - 129*		*12/24/11 16:34*	*1*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*12/24/11 16:34*	*1*

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

Client Sample ID: TB-121511-KH-036
Date Collected: 12/15/11 00:00
Date Received: 12/16/11 09:45

Lab Sample ID: 240-7036-4
Matrix: WQ

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*74 - 115*		*12/24/11 16:34*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 121*		*12/24/11 16:34*	*1*

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

Client Sample ID: WG-121211-DF-003
Date Collected: 12/12/11 12:10
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.1	U	1.1	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
bis (2-chloroisopropyl) ether	1.1	U	1.1	0.43	ug/L		12/16/11 08:05	12/20/11 18:58	1
2,4,5-Trichlorophenol	5.4	U	5.4	0.32	ug/L		12/16/11 08:05	12/20/11 18:58	1
2,4,6-Trichlorophenol	5.4	U	5.4	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
2,4-Dichlorophenol	2.2	U	2.2	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
2,4-Dimethylphenol	2.2	U	2.2	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
2,4-Dinitrophenol	5.4	U	5.4	2.6	ug/L		12/16/11 08:05	12/20/11 18:58	1
2,4-Dinitrotoluene	5.4	U	5.4	0.29	ug/L		12/16/11 08:05	12/20/11 18:58	1
2,6-Dinitrotoluene	5.4	U	5.4	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
2-Chloronaphthalene	1.1	U	1.1	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
2-Chlorophenol	1.1	U	1.1	0.31	ug/L		12/16/11 08:05	12/20/11 18:58	1
2-Methylnaphthalene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
2-Methylphenol	1.1	U	1.1	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
2-Nitroaniline	2.2	U	2.2	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
2-Nitrophenol	2.2	U	2.2	0.30	ug/L		12/16/11 08:05	12/20/11 18:58	1
3,3'-Dichlorobenzidine	5.4	U	5.4	0.40	ug/L		12/16/11 08:05	12/20/11 18:58	1
3-Nitroaniline	2.2	U	2.2	0.30	ug/L		12/16/11 08:05	12/20/11 18:58	1
4,6-Dinitro-2-methylphenol	5.4	U	5.4	2.6	ug/L		12/16/11 08:05	12/20/11 18:58	1
4-Bromophenyl phenyl ether	2.2	U	2.2	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
4-Chloro-3-methylphenol	2.2	U	2.2	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
4-Chloroaniline	2.2	U	2.2	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
4-Chlorophenyl phenyl ether	2.2	U	2.2	0.32	ug/L		12/16/11 08:05	12/20/11 18:58	1
4-Nitroaniline	2.2	U	2.2	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
4-Nitrophenol	5.4	U	5.4	2.6	ug/L		12/16/11 08:05	12/20/11 18:58	1
Acenaphthene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Acenaphthylene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Acetophenone	1.1	U	1.1	0.37	ug/L		12/16/11 08:05	12/20/11 18:58	1
Anthracene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Atrazine	1.1	U	1.1	0.37	ug/L		12/16/11 08:05	12/20/11 18:58	1
Benzaldehyde	1.1	U	1.1	0.42	ug/L		12/16/11 08:05	12/20/11 18:58	1
Benzo[a]anthracene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Benzo[a]pyrene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Benzo[b]fluoranthene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Benzo[g,h,i]perylene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Benzo[k]fluoranthene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Bis(2-chloroethoxy)methane	1.1	U	1.1	0.34	ug/L		12/16/11 08:05	12/20/11 18:58	1
Bis(2-chloroethyl)ether	1.1	U	1.1	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Bis(2-ethylhexyl) phthalate	**0.98**	**J B**	2.2	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
Butyl benzyl phthalate	1.1	U	1.1	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
Caprolactam	5.4	U	5.4	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
Carbazole	1.1	U	1.1	0.30	ug/L		12/16/11 08:05	12/20/11 18:58	1
Chrysene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Dibenz(a,h)anthracene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Dibenzofuran	1.1	U	1.1	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Diethyl phthalate	1.1	U	1.1	0.65	ug/L		12/16/11 08:05	12/20/11 18:58	1
Dimethyl phthalate	1.1	U	1.1	0.31	ug/L		12/16/11 08:05	12/20/11 18:58	1
Di-n-butyl phthalate	1.1	U	1.1	0.72	ug/L		12/16/11 08:05	12/20/11 18:58	1
Di-n-octyl phthalate	1.1	U	1.1	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
Fluoranthene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1

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

Client Sample ID: WG-121211-DF-003
Date Collected: 12/12/11 12:10
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Hexachlorobenzene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Hexachlorobutadiene	1.1	U	1.1	0.29	ug/L		12/16/11 08:05	12/20/11 18:58	1
Hexachlorocyclopentadiene	11	U	11	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
Hexachloroethane	1.1	U	1.1	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
Indeno[1,2,3-cd]pyrene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Isophorone	1.1	U	1.1	0.29	ug/L		12/16/11 08:05	12/20/11 18:58	1
Naphthalene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Nitrobenzene	1.1	U	1.1	0.043	ug/L		12/16/11 08:05	12/20/11 18:58	1
N-Nitrosodi-n-propylamine	1.1	U	1.1	0.86	ug/L		12/16/11 08:05	12/20/11 18:58	1
N-Nitrosodiphenylamine	1.1	U	1.1	0.33	ug/L		12/16/11 08:05	12/20/11 18:58	1
Pentachlorophenol	5.4	U	5.4	2.6	ug/L		12/16/11 08:05	12/20/11 18:58	1
Phenol	1.1	U	1.1	0.65	ug/L		12/16/11 08:05	12/20/11 18:58	1
Phenanthrene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
Pyrene	0.22	U	0.22	0.11	ug/L		12/16/11 08:05	12/20/11 18:58	1
3 & 4 Methylphenol	2.2	U	2.2	0.81	ug/L		12/16/11 08:05	12/20/11 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*28 - 110*	*12/16/11 08:05*	*12/20/11 18:58*	*1*
2-Fluorophenol (Surr)	*69*		*10 - 110*	*12/16/11 08:05*	*12/20/11 18:58*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*22 - 120*	*12/16/11 08:05*	*12/20/11 18:58*	*1*
Nitrobenzene-d5 (Surr)	*57*		*27 - 111*	*12/16/11 08:05*	*12/20/11 18:58*	*1*
Phenol-d5 (Surr)	*63*		*10 - 110*	*12/16/11 08:05*	*12/20/11 18:58*	*1*
Terphenyl-d14 (Surr)	*76*		*37 - 119*	*12/16/11 08:05*	*12/20/11 18:58*	*1*

Client Sample ID: WG-121211-KH-002
Date Collected: 12/12/11 10:55
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		12/16/11 08:05	12/20/11 19:17	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		12/16/11 08:05	12/20/11 19:17	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		12/16/11 08:05	12/20/11 19:17	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		12/16/11 08:05	12/20/11 19:17	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		12/16/11 08:05	12/20/11 19:17	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		12/16/11 08:05	12/20/11 19:17	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		12/16/11 08:05	12/20/11 19:17	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		12/16/11 08:05	12/20/11 19:17	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		12/16/11 08:05	12/20/11 19:17	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1

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

Client Sample ID: WG-121211-KH-002
Date Collected: 12/12/11 10:55
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	1.9	U	1.9	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		12/16/11 08:05	12/20/11 19:17	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		12/16/11 08:05	12/20/11 19:17	1
Acenaphthene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Acetophenone	0.95	U	0.95	0.32	ug/L		12/16/11 08:05	12/20/11 19:17	1
Anthracene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Atrazine	0.95	U	0.95	0.32	ug/L		12/16/11 08:05	12/20/11 19:17	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		12/16/11 08:05	12/20/11 19:17	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		12/16/11 08:05	12/20/11 19:17	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
Caprolactam	4.8	U	4.8	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
Carbazole	0.95	U	0.95	0.27	ug/L		12/16/11 08:05	12/20/11 19:17	1
Chrysene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		12/16/11 08:05	12/20/11 19:17	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		12/16/11 08:05	12/20/11 19:17	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		12/16/11 08:05	12/20/11 19:17	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Fluorene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		12/16/11 08:05	12/20/11 19:17	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Isophorone	0.95	U	0.95	0.26	ug/L		12/16/11 08:05	12/20/11 19:17	1
Naphthalene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		12/16/11 08:05	12/20/11 19:17	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		12/16/11 08:05	12/20/11 19:17	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		12/16/11 08:05	12/20/11 19:17	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		12/16/11 08:05	12/20/11 19:17	1
Phenol	0.95	U	0.95	0.57	ug/L		12/16/11 08:05	12/20/11 19:17	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
Pyrene	0.19	U	0.19	0.095	ug/L		12/16/11 08:05	12/20/11 19:17	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		12/16/11 08:05	12/20/11 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*28 - 110*	*12/16/11 08:05*	*12/20/11 19:17*	*1*
2-Fluorophenol (Surr)	*67*		*10 - 110*	*12/16/11 08:05*	*12/20/11 19:17*	*1*

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

Client Sample ID: WG-121211-KH-002
Date Collected: 12/12/11 10:55
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-7
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*22 - 120*	*12/16/11 08:05*	*12/20/11 19:17*	*1*
Nitrobenzene-d5 (Surr)	*51*		*27 - 111*	*12/16/11 08:05*	*12/20/11 19:17*	*1*
Phenol-d5 (Surr)	*62*		*10 - 110*	*12/16/11 08:05*	*12/20/11 19:17*	*1*
Terphenyl-d14 (Surr)	*43*		*37 - 119*	*12/16/11 08:05*	*12/20/11 19:17*	*1*

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Client Sample ID: WG-121311-DF-013
Date Collected: 12/13/11 10:45
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	52	U	52	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
bis (2-chloroisopropyl) ether	52	U	52	21	ug/L		12/18/11 10:51	12/20/11 22:42	50
2,4,5-Trichlorophenol	260	U	260	15	ug/L		12/18/11 10:51	12/20/11 22:42	50
2,4,6-Trichlorophenol	260	U	260	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
2,4-Dichlorophenol	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
2,4-Dimethylphenol	**350**		100	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
2,4-Dinitrophenol	260	U	260	120	ug/L		12/18/11 10:51	12/20/11 22:42	50
2,4-Dinitrotoluene	260	U	260	14	ug/L		12/18/11 10:51	12/20/11 22:42	50
2,6-Dinitrotoluene	260	U	260	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
2-Chloronaphthalene	52	U	52	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
2-Chlorophenol	52	U	52	15	ug/L		12/18/11 10:51	12/20/11 22:42	50
2-Methylnaphthalene	**7.4**	**J**	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
2-Methylphenol	**550**		52	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
2-Nitroaniline	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
2-Nitrophenol	100	U	100	14	ug/L		12/18/11 10:51	12/20/11 22:42	50
3,3'-Dichlorobenzidine	260	U	260	19	ug/L		12/18/11 10:51	12/20/11 22:42	50
3-Nitroaniline	100	U	100	14	ug/L		12/18/11 10:51	12/20/11 22:42	50
4,6-Dinitro-2-methylphenol	260	U	260	120	ug/L		12/18/11 10:51	12/20/11 22:42	50
4-Bromophenyl phenyl ether	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
4-Chloro-3-methylphenol	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
4-Chloroaniline	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
4-Chlorophenyl phenyl ether	100	U	100	15	ug/L		12/18/11 10:51	12/20/11 22:42	50
4-Nitroaniline	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
4-Nitrophenol	260	U	260	120	ug/L		12/18/11 10:51	12/20/11 22:42	50
Acenaphthene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Acenaphthylene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Acetophenone	52	U	52	18	ug/L		12/18/11 10:51	12/20/11 22:42	50
Anthracene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Atrazine	52	U	52	18	ug/L		12/18/11 10:51	12/20/11 22:42	50
Benzaldehyde	52	U	52	20	ug/L		12/18/11 10:51	12/20/11 22:42	50
Benzo[a]anthracene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Benzo[a]pyrene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Benzo[b]fluoranthene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Benzo[g,h,i]perylene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Benzo[k]fluoranthene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Bis(2-chloroethoxy)methane	52	U	52	16	ug/L		12/18/11 10:51	12/20/11 22:42	50
Bis(2-chloroethyl)ether	52	U	52	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Bis(2-ethylhexyl) phthalate	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
Butyl benzyl phthalate	52	U	52	41	ug/L		12/18/11 10:51	12/20/11 22:42	50

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

Client Sample ID: WG-121311-DF-013
Date Collected: 12/13/11 10:45
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	260	U	260	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
Carbazole	52	U	52	14	ug/L		12/18/11 10:51	12/20/11 22:42	50
Chrysene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Dibenz(a,h)anthracene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Dibenzofuran	52	U	52	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Diethyl phthalate	52	U	52	31	ug/L		12/18/11 10:51	12/20/11 22:42	50
Dimethyl phthalate	52	U	52	15	ug/L		12/18/11 10:51	12/20/11 22:42	50
Di-n-butyl phthalate	52	U	52	35	ug/L		12/18/11 10:51	12/20/11 22:42	50
Di-n-octyl phthalate	52	U	52	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
Fluoranthene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Fluorene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Hexachlorobenzene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Hexachlorobutadiene	52	U	52	14	ug/L		12/18/11 10:51	12/20/11 22:42	50
Hexachlorocyclopentadiene	520	U	520	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
Hexachloroethane	52	U	52	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
Indeno[1,2,3-cd]pyrene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Isophorone	52	U	52	14	ug/L		12/18/11 10:51	12/20/11 22:42	50
Naphthalene	**260**		10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Nitrobenzene	52	U	52	2.1	ug/L		12/18/11 10:51	12/20/11 22:42	50
N-Nitrosodi-n-propylamine	52	U	52	41	ug/L		12/18/11 10:51	12/20/11 22:42	50
N-Nitrosodiphenylamine	52	U	52	16	ug/L		12/18/11 10:51	12/20/11 22:42	50
Pentachlorophenol	260	U	260	120	ug/L		12/18/11 10:51	12/20/11 22:42	50
Phenol	52	U	52	31	ug/L		12/18/11 10:51	12/20/11 22:42	50
Phenanthrene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
Pyrene	10	U	10	5.2	ug/L		12/18/11 10:51	12/20/11 22:42	50
3 & 4 Methylphenol	**720**		100	39	ug/L		12/18/11 10:51	12/20/11 22:42	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*28 - 110*	*12/18/11 10:51*	*12/20/11 22:42*	*50*
2-Fluorophenol (Surr)	*0*	*X*	*10 - 110*	*12/18/11 10:51*	*12/20/11 22:42*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*22 - 120*	*12/18/11 10:51*	*12/20/11 22:42*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*27 - 111*	*12/18/11 10:51*	*12/20/11 22:42*	*50*
Phenol-d5 (Surr)	*0*	*X*	*10 - 110*	*12/18/11 10:51*	*12/20/11 22:42*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*37 - 119*	*12/18/11 10:51*	*12/20/11 22:42*	*50*

Client Sample ID: WG-121311-DF-014
Date Collected: 12/13/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	51	U	51	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
bis (2-chloroisopropyl) ether	51	U	51	20	ug/L		12/18/11 10:51	12/20/11 23:00	50
2,4,5-Trichlorophenol	260	U	260	15	ug/L		12/18/11 10:51	12/20/11 23:00	50
2,4,6-Trichlorophenol	260	U	260	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
2,4-Dichlorophenol	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
2,4-Dimethylphenol	**330**		100	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
2,4-Dinitrophenol	260	U	260	120	ug/L		12/18/11 10:51	12/20/11 23:00	50
2,4-Dinitrotoluene	260	U	260	14	ug/L		12/18/11 10:51	12/20/11 23:00	50
2,6-Dinitrotoluene	260	U	260	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
2-Chloronaphthalene	51	U	51	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50

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

Client Sample ID: WG-121311-DF-014
Date Collected: 12/13/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	51	U	51	15	ug/L		12/18/11 10:51	12/20/11 23:00	50
2-Methylnaphthalene	8.7	J	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
2-Methylphenol	450		51	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
2-Nitroaniline	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
2-Nitrophenol	100	U	100	14	ug/L		12/18/11 10:51	12/20/11 23:00	50
3,3'-Dichlorobenzidine	260	U	260	19	ug/L		12/18/11 10:51	12/20/11 23:00	50
3-Nitroaniline	100	U	100	14	ug/L		12/18/11 10:51	12/20/11 23:00	50
4,6-Dinitro-2-methylphenol	260	U	260	120	ug/L		12/18/11 10:51	12/20/11 23:00	50
4-Bromophenyl phenyl ether	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
4-Chloro-3-methylphenol	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
4-Chloroaniline	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
4-Chlorophenyl phenyl ether	100	U	100	15	ug/L		12/18/11 10:51	12/20/11 23:00	50
4-Nitroaniline	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
4-Nitrophenol	260	U	260	120	ug/L		12/18/11 10:51	12/20/11 23:00	50
Acenaphthene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Acenaphthylene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Acetophenone	51	U	51	17	ug/L		12/18/11 10:51	12/20/11 23:00	50
Anthracene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Atrazine	51	U	51	17	ug/L		12/18/11 10:51	12/20/11 23:00	50
Benzaldehyde	51	U	51	20	ug/L		12/18/11 10:51	12/20/11 23:00	50
Benzo[a]anthracene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Benzo[a]pyrene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Benzo[b]fluoranthene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Benzo[g,h,i]perylene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Benzo[k]fluoranthene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Bis(2-chloroethoxy)methane	51	U	51	16	ug/L		12/18/11 10:51	12/20/11 23:00	50
Bis(2-chloroethyl)ether	51	U	51	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Bis(2-ethylhexyl) phthalate	100	U	100	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
Butyl benzyl phthalate	51	U	51	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
Caprolactam	260	U	260	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
Carbazole	51	U	51	14	ug/L		12/18/11 10:51	12/20/11 23:00	50
Chrysene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Dibenz(a,h)anthracene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Dibenzofuran	51	U	51	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Diethyl phthalate	51	U	51	31	ug/L		12/18/11 10:51	12/20/11 23:00	50
Dimethyl phthalate	51	U	51	15	ug/L		12/18/11 10:51	12/20/11 23:00	50
Di-n-butyl phthalate	51	U	51	34	ug/L		12/18/11 10:51	12/20/11 23:00	50
Di-n-octyl phthalate	51	U	51	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
Fluoranthene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Fluorene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Hexachlorobenzene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Hexachlorobutadiene	51	U	51	14	ug/L		12/18/11 10:51	12/20/11 23:00	50
Hexachlorocyclopentadiene	510	U	510	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
Hexachloroethane	51	U	51	41	ug/L		12/18/11 10:51	12/20/11 23:00	50
Indeno[1,2,3-cd]pyrene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Isophorone	51	U	51	14	ug/L		12/18/11 10:51	12/20/11 23:00	50
Naphthalene	280		10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Nitrobenzene	51	U	51	2.0	ug/L		12/18/11 10:51	12/20/11 23:00	50
N-Nitrosodi-n-propylamine	51	U	51	41	ug/L		12/18/11 10:51	12/20/11 23:00	50

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

Client Sample ID: WG-121311-DF-014
Date Collected: 12/13/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	51	U	51	16	ug/L		12/18/11 10:51	12/20/11 23:00	50
Pentachlorophenol	260	U	260	120	ug/L		12/18/11 10:51	12/20/11 23:00	50
Phenol	51	U	51	31	ug/L		12/18/11 10:51	12/20/11 23:00	50
Phenanthrene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
Pyrene	10	U	10	5.1	ug/L		12/18/11 10:51	12/20/11 23:00	50
3 & 4 Methylphenol	580		100	38	ug/L		12/18/11 10:51	12/20/11 23:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*28 - 110*	*12/18/11 10:51*	*12/20/11 23:00*	*50*
2-Fluorophenol (Surr)	*0*	*X*	*10 - 110*	*12/18/11 10:51*	*12/20/11 23:00*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*22 - 120*	*12/18/11 10:51*	*12/20/11 23:00*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*27 - 111*	*12/18/11 10:51*	*12/20/11 23:00*	*50*
Phenol-d5 (Surr)	*0*	*X*	*10 - 110*	*12/18/11 10:51*	*12/20/11 23:00*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*37 - 119*	*12/18/11 10:51*	*12/20/11 23:00*	*50*

Client Sample ID: WG-121311-DF-020
Date Collected: 12/13/11 14:40
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
bis (2-chloroisopropyl) ether	1.0	U	1.0	0.41	ug/L		12/18/11 10:51	12/20/11 17:41	1
2,4,5-Trichlorophenol	5.1	U	5.1	0.31	ug/L		12/18/11 10:51	12/20/11 17:41	1
2,4,6-Trichlorophenol	5.1	U	5.1	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
2,4-Dichlorophenol	2.0	U	2.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
2,4-Dimethylphenol	2.0	U	2.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
2,4-Dinitrophenol	5.1	U	5.1	2.4	ug/L		12/18/11 10:51	12/20/11 17:41	1
2,4-Dinitrotoluene	5.1	U	5.1	0.28	ug/L		12/18/11 10:51	12/20/11 17:41	1
2,6-Dinitrotoluene	5.1	U	5.1	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
2-Chloronaphthalene	1.0	U	1.0	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
2-Chlorophenol	1.0	U	1.0	0.30	ug/L		12/18/11 10:51	12/20/11 17:41	1
2-Methylnaphthalene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
2-Methylphenol	1.0	U	1.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
2-Nitroaniline	2.0	U	2.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
2-Nitrophenol	2.0	U	2.0	0.29	ug/L		12/18/11 10:51	12/20/11 17:41	1
3,3'-Dichlorobenzidine	5.1	U	5.1	0.38	ug/L		12/18/11 10:51	12/20/11 17:41	1
3-Nitroaniline	2.0	U	2.0	0.29	ug/L		12/18/11 10:51	12/20/11 17:41	1
4,6-Dinitro-2-methylphenol	5.1	U	5.1	2.4	ug/L		12/18/11 10:51	12/20/11 17:41	1
4-Bromophenyl phenyl ether	2.0	U	2.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
4-Chloro-3-methylphenol	2.0	U	2.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
4-Chloroaniline	2.0	U	2.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
4-Chlorophenyl phenyl ether	2.0	U	2.0	0.31	ug/L		12/18/11 10:51	12/20/11 17:41	1
4-Nitroaniline	2.0	U	2.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
4-Nitrophenol	5.1	U	5.1	2.4	ug/L		12/18/11 10:51	12/20/11 17:41	1
Acenaphthene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Acenaphthylene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Acetophenone	1.0	U	1.0	0.35	ug/L		12/18/11 10:51	12/20/11 17:41	1
Anthracene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Atrazine	1.0	U	1.0	0.35	ug/L		12/18/11 10:51	12/20/11 17:41	1
Benzaldehyde	1.0	U	1.0	0.40	ug/L		12/18/11 10:51	12/20/11 17:41	1

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

Client Sample ID: WG-121311-DF-020
Date Collected: 12/13/11 14:40
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Benzo[a]pyrene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Benzo[b]fluoranthene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Benzo[g,h,i]perylene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Benzo[k]fluoranthene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.33	ug/L		12/18/11 10:51	12/20/11 17:41	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Bis(2-ethylhexyl) phthalate	**0.89**	**J B**	2.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
Butyl benzyl phthalate	1.0	U	1.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
Caprolactam	5.1	U	5.1	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
Carbazole	1.0	U	1.0	0.29	ug/L		12/18/11 10:51	12/20/11 17:41	1
Chrysene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Dibenz(a,h)anthracene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Dibenzofuran	1.0	U	1.0	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Diethyl phthalate	1.0	U	1.0	0.61	ug/L		12/18/11 10:51	12/20/11 17:41	1
Dimethyl phthalate	1.0	U	1.0	0.30	ug/L		12/18/11 10:51	12/20/11 17:41	1
Di-n-butyl phthalate	1.0	U	1.0	0.68	ug/L		12/18/11 10:51	12/20/11 17:41	1
Di-n-octyl phthalate	1.0	U	1.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
Fluoranthene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Fluorene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Hexachlorobenzene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Hexachlorobutadiene	1.0	U	1.0	0.28	ug/L		12/18/11 10:51	12/20/11 17:41	1
Hexachlorocyclopentadiene	10	U	10	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
Hexachloroethane	1.0	U	1.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Isophorone	1.0	U	1.0	0.28	ug/L		12/18/11 10:51	12/20/11 17:41	1
Naphthalene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Nitrobenzene	1.0	U	1.0	0.041	ug/L		12/18/11 10:51	12/20/11 17:41	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.82	ug/L		12/18/11 10:51	12/20/11 17:41	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.32	ug/L		12/18/11 10:51	12/20/11 17:41	1
Pentachlorophenol	5.1	U	5.1	2.4	ug/L		12/18/11 10:51	12/20/11 17:41	1
Phenol	1.0	U	1.0	0.61	ug/L		12/18/11 10:51	12/20/11 17:41	1
Phenanthrene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
Pyrene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 17:41	1
3 & 4 Methylphenol	2.0	U	2.0	0.77	ug/L		12/18/11 10:51	12/20/11 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*		*28 - 110*	*12/18/11 10:51*	*12/20/11 17:41*	*1*
2-Fluorophenol (Surr)	*53*		*10 - 110*	*12/18/11 10:51*	*12/20/11 17:41*	*1*
2,4,6-Tribromophenol (Surr)	*46*		*22 - 120*	*12/18/11 10:51*	*12/20/11 17:41*	*1*
Nitrobenzene-d5 (Surr)	*61*		*27 - 111*	*12/18/11 10:51*	*12/20/11 17:41*	*1*
Phenol-d5 (Surr)	*54*		*10 - 110*	*12/18/11 10:51*	*12/20/11 17:41*	*1*
Terphenyl-d14 (Surr)	*82*		*37 - 119*	*12/18/11 10:51*	*12/20/11 17:41*	*1*

Client Sample ID: WG-121411-DF-023
Date Collected: 12/14/11 08:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

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

Client Sample ID: WG-121411-DF-023
Date Collected: 12/14/11 08:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	1.0	U	1.0	0.42	ug/L		12/21/11 08:56	12/27/11 18:13	1
2,4,5-Trichlorophenol	5.2	U	5.2	0.31	ug/L		12/21/11 08:56	12/27/11 18:13	1
2,4,6-Trichlorophenol	5.2	U	5.2	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
2,4-Dichlorophenol	2.1	U	2.1	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
2,4-Dimethylphenol	2.1	U	2.1	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
2,4-Dinitrophenol	5.2	U	5.2	2.5	ug/L		12/21/11 08:56	12/27/11 18:13	1
2,4-Dinitrotoluene	5.2	U	5.2	0.28	ug/L		12/21/11 08:56	12/27/11 18:13	1
2,6-Dinitrotoluene	5.2	U	5.2	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
2-Chloronaphthalene	1.0	U	1.0	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
2-Chlorophenol	1.0	U	1.0	0.30	ug/L		12/21/11 08:56	12/27/11 18:13	1
2-Methylnaphthalene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
2-Methylphenol	1.0	U	1.0	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
2-Nitroaniline	2.1	U	2.1	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
2-Nitrophenol	2.1	U	2.1	0.29	ug/L		12/21/11 08:56	12/27/11 18:13	1
3,3'-Dichlorobenzidine	5.2	U	5.2	0.39	ug/L		12/21/11 08:56	12/27/11 18:13	1
3-Nitroaniline	2.1	U	2.1	0.29	ug/L		12/21/11 08:56	12/27/11 18:13	1
4,6-Dinitro-2-methylphenol	5.2	U	5.2	2.5	ug/L		12/21/11 08:56	12/27/11 18:13	1
4-Bromophenyl phenyl ether	2.1	U	2.1	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
4-Chloro-3-methylphenol	2.1	U	2.1	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
4-Chloroaniline	2.1	U	2.1	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
4-Chlorophenyl phenyl ether	2.1	U	2.1	0.31	ug/L		12/21/11 08:56	12/27/11 18:13	1
4-Nitroaniline	2.1	U	2.1	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
4-Nitrophenol	5.2	U	5.2	2.5	ug/L		12/21/11 08:56	12/27/11 18:13	1
Acenaphthene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Acenaphthylene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Acetophenone	1.0	U	1.0	0.35	ug/L		12/21/11 08:56	12/27/11 18:13	1
Anthracene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Atrazine	1.0	U	1.0	0.35	ug/L		12/21/11 08:56	12/27/11 18:13	1
Benzaldehyde	1.0	U	1.0	0.41	ug/L		12/21/11 08:56	12/27/11 18:13	1
Benzo[a]anthracene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Benzo[a]pyrene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Benzo[b]fluoranthene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Benzo[g,h,i]perylene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Benzo[k]fluoranthene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.33	ug/L		12/21/11 08:56	12/27/11 18:13	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
Butyl benzyl phthalate	1.0	U	1.0	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
Caprolactam	5.2	U	5.2	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
Carbazole	1.0	U	1.0	0.29	ug/L		12/21/11 08:56	12/27/11 18:13	1
Chrysene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Dibenz(a,h)anthracene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Dibenzofuran	1.0	U	1.0	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Diethyl phthalate	1.0	U	1.0	0.62	ug/L		12/21/11 08:56	12/27/11 18:13	1
Dimethyl phthalate	1.0	U	1.0	0.30	ug/L		12/21/11 08:56	12/27/11 18:13	1
Di-n-butyl phthalate	1.0	U	1.0	0.70	ug/L		12/21/11 08:56	12/27/11 18:13	1
Di-n-octyl phthalate	1.0	U	1.0	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
Fluoranthene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Fluorene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1

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

Client Sample ID: WG-121411-DF-023
Date Collected: 12/14/11 08:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Hexachlorobutadiene	1.0	U	1.0	0.28	ug/L		12/21/11 08:56	12/27/11 18:13	1
Hexachlorocyclopentadiene	10	U	10	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
Hexachloroethane	1.0	U	1.0	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
Indeno[1,2,3-cd]pyrene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Isophorone	1.0	U	1.0	0.28	ug/L		12/21/11 08:56	12/27/11 18:13	1
Naphthalene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Nitrobenzene	1.0	U	1.0	0.042	ug/L		12/21/11 08:56	12/27/11 18:13	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.83	ug/L		12/21/11 08:56	12/27/11 18:13	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.32	ug/L		12/21/11 08:56	12/27/11 18:13	1
Pentachlorophenol	5.2	U	5.2	2.5	ug/L		12/21/11 08:56	12/27/11 18:13	1
Phenol	1.0	U	1.0	0.62	ug/L		12/21/11 08:56	12/27/11 18:13	1
Phenanthrene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
Pyrene	0.21	U	0.21	0.10	ug/L		12/21/11 08:56	12/27/11 18:13	1
3 & 4 Methylphenol	2.1	U	2.1	0.78	ug/L		12/21/11 08:56	12/27/11 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*28 - 110*	*12/21/11 08:56*	*12/27/11 18:13*	*1*
2-Fluorophenol (Surr)	*62*		*10 - 110*	*12/21/11 08:56*	*12/27/11 18:13*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*22 - 120*	*12/21/11 08:56*	*12/27/11 18:13*	*1*
Nitrobenzene-d5 (Surr)	*60*		*27 - 111*	*12/21/11 08:56*	*12/27/11 18:13*	*1*
Phenol-d5 (Surr)	*60*		*10 - 110*	*12/21/11 08:56*	*12/27/11 18:13*	*1*
Terphenyl-d14 (Surr)	*64*		*37 - 119*	*12/21/11 08:56*	*12/27/11 18:13*	*1*

Client Sample ID: WG-121411-DF-025
Date Collected: 12/14/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.1	U	1.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
bis (2-chloroisopropyl) ether	1.1	U	1.1	0.43	ug/L		12/21/11 08:56	12/27/11 19:04	1
2,4,5-Trichlorophenol	5.3	U	5.3	0.32	ug/L		12/21/11 08:56	12/27/11 19:04	1
2,4,6-Trichlorophenol	5.3	U	5.3	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
2,4-Dichlorophenol	2.1	U	2.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
2,4-Dimethylphenol	2.1	U	2.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
2,4-Dinitrophenol	5.3	U	5.3	2.6	ug/L		12/21/11 08:56	12/27/11 19:04	1
2,4-Dinitrotoluene	5.3	U	5.3	0.29	ug/L		12/21/11 08:56	12/27/11 19:04	1
2,6-Dinitrotoluene	5.3	U	5.3	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
2-Chloronaphthalene	1.1	U	1.1	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
2-Chlorophenol	1.1	U	1.1	0.31	ug/L		12/21/11 08:56	12/27/11 19:04	1
2-Methylnaphthalene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
2-Methylphenol	1.1	U	1.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
2-Nitroaniline	2.1	U	2.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
2-Nitrophenol	2.1	U	2.1	0.30	ug/L		12/21/11 08:56	12/27/11 19:04	1
3,3'-Dichlorobenzidine	5.3	U	5.3	0.39	ug/L		12/21/11 08:56	12/27/11 19:04	1
3-Nitroaniline	2.1	U	2.1	0.30	ug/L		12/21/11 08:56	12/27/11 19:04	1
4,6-Dinitro-2-methylphenol	5.3	U	5.3	2.6	ug/L		12/21/11 08:56	12/27/11 19:04	1
4-Bromophenyl phenyl ether	2.1	U	2.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
4-Chloro-3-methylphenol	2.1	U	2.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
4-Chloroaniline	2.1	U	2.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1

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

Client Sample ID: WG-121411-DF-025
Date Collected: 12/14/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	2.1	U	2.1	0.32	ug/L		12/21/11 08:56	12/27/11 19:04	1
4-Nitroaniline	2.1	U	2.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
4-Nitrophenol	5.3	U	5.3	2.6	ug/L		12/21/11 08:56	12/27/11 19:04	1
Acenaphthene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Acenaphthylene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Acetophenone	1.1	U	1.1	0.36	ug/L		12/21/11 08:56	12/27/11 19:04	1
Anthracene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Atrazine	1.1	U	1.1	0.36	ug/L		12/21/11 08:56	12/27/11 19:04	1
Benzaldehyde	1.1	U	1.1	0.41	ug/L		12/21/11 08:56	12/27/11 19:04	1
Benzo[a]anthracene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Benzo[a]pyrene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Benzo[b]fluoranthene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Benzo[g,h,i]perylene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Benzo[k]fluoranthene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Bis(2-chloroethoxy)methane	1.1	U	1.1	0.34	ug/L		12/21/11 08:56	12/27/11 19:04	1
Bis(2-chloroethyl)ether	1.1	U	1.1	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
Butyl benzyl phthalate	1.1	U	1.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
Caprolactam	5.3	U	5.3	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
Carbazole	1.1	U	1.1	0.30	ug/L		12/21/11 08:56	12/27/11 19:04	1
Chrysene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Dibenz(a,h)anthracene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Dibenzofuran	1.1	U	1.1	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Diethyl phthalate	1.1	U	1.1	0.64	ug/L		12/21/11 08:56	12/27/11 19:04	1
Dimethyl phthalate	1.1	U	1.1	0.31	ug/L		12/21/11 08:56	12/27/11 19:04	1
Di-n-butyl phthalate	1.1	U	1.1	0.71	ug/L		12/21/11 08:56	12/27/11 19:04	1
Di-n-octyl phthalate	1.1	U	1.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
Fluoranthene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Fluorene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Hexachlorobenzene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Hexachlorobutadiene	1.1	U	1.1	0.29	ug/L		12/21/11 08:56	12/27/11 19:04	1
Hexachlorocyclopentadiene	11	U	11	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
Hexachloroethane	1.1	U	1.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
Indeno[1,2,3-cd]pyrene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Isophorone	1.1	U	1.1	0.29	ug/L		12/21/11 08:56	12/27/11 19:04	1
Naphthalene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Nitrobenzene	1.1	U	1.1	0.043	ug/L		12/21/11 08:56	12/27/11 19:04	1
N-Nitrosodi-n-propylamine	1.1	U	1.1	0.85	ug/L		12/21/11 08:56	12/27/11 19:04	1
N-Nitrosodiphenylamine	1.1	U	1.1	0.33	ug/L		12/21/11 08:56	12/27/11 19:04	1
Pentachlorophenol	5.3	U	5.3	2.6	ug/L		12/21/11 08:56	12/27/11 19:04	1
Phenol	1.1	U	1.1	0.64	ug/L		12/21/11 08:56	12/27/11 19:04	1
Phenanthrene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
Pyrene	0.21	U	0.21	0.11	ug/L		12/21/11 08:56	12/27/11 19:04	1
3 & 4 Methylphenol	2.1	U	2.1	0.80	ug/L		12/21/11 08:56	12/27/11 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*46*		*28 - 110*	*12/21/11 08:56*	*12/27/11 19:04*	*1*
2-Fluorophenol (Surr)	*53*		*10 - 110*	*12/21/11 08:56*	*12/27/11 19:04*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*22 - 120*	*12/21/11 08:56*	*12/27/11 19:04*	*1*

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

Client Sample ID: WG-121411-DF-025
Date Collected: 12/14/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-24
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*51*		*27 - 111*	*12/21/11 08:56*	*12/27/11 19:04*	*1*
Phenol-d5 (Surr)	*51*		*10 - 110*	*12/21/11 08:56*	*12/27/11 19:04*	*1*
Terphenyl-d14 (Surr)	*63*		*37 - 119*	*12/21/11 08:56*	*12/27/11 19:04*	*1*

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Client Sample ID: WG-121411-DF-026
Date Collected: 12/14/11 12:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.98	U	0.98	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
bis (2-chloroisopropyl) ether	0.98	U	0.98	0.39	ug/L		12/21/11 08:56	12/27/11 19:21	1
2,4,5-Trichlorophenol	4.9	U	4.9	0.29	ug/L		12/21/11 08:56	12/27/11 19:21	1
2,4,6-Trichlorophenol	4.9	U	4.9	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
2,4-Dichlorophenol	2.0	U	2.0	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
2,4-Dimethylphenol	2.0	U	2.0	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
2,4-Dinitrophenol	4.9	U	4.9	2.4	ug/L		12/21/11 08:56	12/27/11 19:21	1
2,4-Dinitrotoluene	4.9	U	4.9	0.26	ug/L		12/21/11 08:56	12/27/11 19:21	1
2,6-Dinitrotoluene	4.9	U	4.9	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
2-Chloronaphthalene	0.98	U	0.98	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
2-Chlorophenol	0.98	U	0.98	0.28	ug/L		12/21/11 08:56	12/27/11 19:21	1
2-Methylnaphthalene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
2-Methylphenol	0.98	U	0.98	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
2-Nitroaniline	2.0	U	2.0	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
2-Nitrophenol	2.0	U	2.0	0.27	ug/L		12/21/11 08:56	12/27/11 19:21	1
3,3'-Dichlorobenzidine	4.9	U	4.9	0.36	ug/L		12/21/11 08:56	12/27/11 19:21	1
3-Nitroaniline	2.0	U	2.0	0.27	ug/L		12/21/11 08:56	12/27/11 19:21	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9	2.4	ug/L		12/21/11 08:56	12/27/11 19:21	1
4-Bromophenyl phenyl ether	2.0	U	2.0	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
4-Chloro-3-methylphenol	2.0	U	2.0	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
4-Chloroaniline	2.0	U	2.0	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
4-Chlorophenyl phenyl ether	2.0	U	2.0	0.29	ug/L		12/21/11 08:56	12/27/11 19:21	1
4-Nitroaniline	2.0	U	2.0	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
4-Nitrophenol	4.9	U	4.9	2.4	ug/L		12/21/11 08:56	12/27/11 19:21	1
Acenaphthene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Acenaphthylene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Acetophenone	0.98	U	0.98	0.33	ug/L		12/21/11 08:56	12/27/11 19:21	1
Anthracene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Atrazine	0.98	U	0.98	0.33	ug/L		12/21/11 08:56	12/27/11 19:21	1
Benzaldehyde	0.98	U	0.98	0.38	ug/L		12/21/11 08:56	12/27/11 19:21	1
Benzo[a]anthracene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Benzo[a]pyrene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Benzo[b]fluoranthene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Benzo[g,h,i]perylene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Benzo[k]fluoranthene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Bis(2-chloroethoxy)methane	0.98	U	0.98	0.31	ug/L		12/21/11 08:56	12/27/11 19:21	1
Bis(2-chloroethyl)ether	0.98	U	0.98	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
Butyl benzyl phthalate	0.98	U	0.98	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
Caprolactam	4.9	U	4.9	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1

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

Client Sample ID: WG-121411-DF-028
Date Collected: 12/14/11 12:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	0.98	U	0.98	0.27	ug/L		12/21/11 08:56	12/27/11 19:21	1
Chrysene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Dibenz(a,h)anthracene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Dibenzofuran	0.98	U	0.98	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Diethyl phthalate	0.98	U	0.98	0.59	ug/L		12/21/11 08:56	12/27/11 19:21	1
Dimethyl phthalate	0.98	U	0.98	0.28	ug/L		12/21/11 08:56	12/27/11 19:21	1
Di-n-butyl phthalate	0.98	U	0.98	0.66	ug/L		12/21/11 08:56	12/27/11 19:21	1
Di-n-octyl phthalate	0.98	U	0.98	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
Fluoranthene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Fluorene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Hexachlorobenzene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Hexachlorobutadiene	0.98	U	0.98	0.26	ug/L		12/21/11 08:56	12/27/11 19:21	1
Hexachlorocyclopentadiene	9.8	U	9.8	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
Hexachloroethane	0.98	U	0.98	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Isophorone	0.98	U	0.98	0.26	ug/L		12/21/11 08:56	12/27/11 19:21	1
Naphthalene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Nitrobenzene	0.98	U	0.98	0.039	ug/L		12/21/11 08:56	12/27/11 19:21	1
N-Nitrosodi-n-propylamine	0.98	U	0.98	0.78	ug/L		12/21/11 08:56	12/27/11 19:21	1
N-Nitrosodiphenylamine	0.98	U	0.98	0.30	ug/L		12/21/11 08:56	12/27/11 19:21	1
Pentachlorophenol	4.9	U	4.9	2.4	ug/L		12/21/11 08:56	12/27/11 19:21	1
Phenol	0.98	U	0.98	0.59	ug/L		12/21/11 08:56	12/27/11 19:21	1
Phenanthrene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
Pyrene	0.20	U	0.20	0.098	ug/L		12/21/11 08:56	12/27/11 19:21	1
3 & 4 Methylphenol	2.0	U	2.0	0.74	ug/L		12/21/11 08:56	12/27/11 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*		*28 - 110*	*12/21/11 08:56*	*12/27/11 19:21*	*1*
2-Fluorophenol (Surr)	*62*		*10 - 110*	*12/21/11 08:56*	*12/27/11 19:21*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*22 - 120*	*12/21/11 08:56*	*12/27/11 19:21*	*1*
Nitrobenzene-d5 (Surr)	*59*		*27 - 111*	*12/21/11 08:56*	*12/27/11 19:21*	*1*
Phenol-d5 (Surr)	*59*		*10 - 110*	*12/21/11 08:56*	*12/27/11 19:21*	*1*
Terphenyl-d14 (Surr)	*64*		*37 - 119*	*12/21/11 08:56*	*12/27/11 19:21*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: WG-121211-DF-003
Date Collected: 12/12/11 12:10
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	40	J B	100	25	ug/L			12/19/11 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*67*		*10 - 150*		*12/19/11 14:19*	*1*

Client Sample ID: WG-121211-KH-002
Date Collected: 12/12/11 10:55
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	30	J B	100	25	ug/L			12/19/11 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*71*		*10 - 150*		*12/19/11 14:54*	*1*

Client Sample ID: WG-121311-DF-013
Date Collected: 12/13/11 10:45
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	180000	B	50000	13000	ug/L			12/20/11 10:38	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*71*		*10 - 150*		*12/20/11 10:38*	*500*

Client Sample ID: WG-121311-DF-014
Date Collected: 12/13/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	180000	B	50000	13000	ug/L			12/20/11 11:14	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*70*		*10 - 150*		*12/20/11 11:14*	*500*

Client Sample ID: WG-121311-DF-020
Date Collected: 12/13/11 14:40
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	45	J B	100	25	ug/L			12/20/11 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*67*		*10 - 150*		*12/20/11 12:24*	*1*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: WG-121411-DF-023
Date Collected: 12/14/11 08:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	120	B	100	25	ug/L			12/19/11 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*69*		*10 - 150*		*12/19/11 18:24*	*1*

Client Sample ID: WG-121411-DF-025
Date Collected: 12/14/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	44	J B	100	25	ug/L			12/20/11 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*66*		*10 - 150*		*12/20/11 12:58*	*1*

Client Sample ID: WG-121411-DF-028
Date Collected: 12/14/11 12:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	66	J B	100	25	ug/L			12/19/11 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*72*		*10 - 150*		*12/19/11 20:09*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: WG-121211-DF-003
Date Collected: 12/12/11 12:10
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	530	U	530	250	ug/L		12/16/11 08:46	12/19/11 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*74*		*10 - 110*	*12/16/11 08:46*	*12/19/11 10:30*	*1*

Client Sample ID: WG-121211-KH-002
Date Collected: 12/12/11 10:55
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	480	U	480	230	ug/L		12/16/11 08:46	12/19/11 10:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*65*		*10 - 110*	*12/16/11 08:46*	*12/19/11 10:54*	*1*

Client Sample ID: WG-121311-DF-013
Date Collected: 12/13/11 10:45
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	7900		520	250	ug/L		12/16/11 08:46	12/19/11 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*35*		*10 - 110*	*12/16/11 08:46*	*12/19/11 11:19*	*1*

Client Sample ID: WG-121311-DF-014
Date Collected: 12/13/11 00:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	9800		510	240	ug/L		12/16/11 08:46	12/19/11 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*32*		*10 - 110*	*12/16/11 08:46*	*12/19/11 11:43*	*1*

Client Sample ID: WG-121311-DF-020
Date Collected: 12/13/11 14:40
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	510	U	510	240	ug/L		12/16/11 08:46	12/19/11 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*72*		*10 - 110*	*12/16/11 08:46*	*12/19/11 12:07*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: WG-121411-DF-023
Date Collected: 12/14/11 08:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	330	J	560	260	ug/L		12/16/11 08:46	12/19/11 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*87*		*10 - 110*	*12/16/11 08:46*	*12/19/11 12:31*	*1*

Client Sample ID: WG-121411-DF-025
Date Collected: 12/14/11 10:00
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	530	U	530	250	ug/L		12/16/11 08:46	12/19/11 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*67*		*10 - 110*	*12/16/11 08:46*	*12/19/11 13:43*	*1*

Client Sample ID: WG-121411-DF-028
Date Collected: 12/14/11 12:30
Date Received: 12/15/11 09:30

Lab Sample ID: 240-6918-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	510	U	510	240	ug/L		12/16/11 08:46	12/19/11 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*68*		*10 - 110*	*12/16/11 08:46*	*12/19/11 14:07*	*1*

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

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)
240-6918-1	WG-121211-DF-001	90	80	92	93
240-6918-2	WG-121211-DF-003	92	84	91	92
240-6918-3	WG-121211-DF-005	92	79	93	94
240-6918-4	WG-121211-DF-007	93	81	94	94
240-6918-5	WG-121211-DF-009	94	82	92	93
240-6918-6	WG-121211-DF-010	90	82	93	90
240-6918-7	WG-121211-KH-002	90	78	92	90
240-6918-8	WG-121211-KH-004	90	80	93	89
240-6918-9	WG-121211-KH-006	92	82	94	92
240-6918-10	WG-121211-KH-008	90	81	90	93
240-6918-11	WG-121311-DF-011	93	82	93	94
240-6918-12	WG-121311-DF-013	95	91	99	93
240-6918-13	WG-121311-DF-014	94	91	99	93
240-6918-14	WG-121311-DF-018	92	86	92	92
240-6918-14 MS	WG-121311-DF-018	96	102	109	101
240-6918-14 MSD	WG-121311-DF-018	88	95	99	92
240-6918-15	WG-121311-DF-020	90	83	94	93
240-6918-16	WG-121311-KH-012	101	88	101	102
240-6918-17	WG-121311-KH-015	98	83	96	95
240-6918-18	WG-121311-KH-016	95	79	92	94
240-6918-19	WG-121311-KH-017	89	79	91	93
240-6918-20	WG-121311-KH-019	95	80	93	93
240-6918-21	WG-121311-KH-021	96	81	94	97
240-6918-22	WG-121311-KH-022	91	77	93	93
240-6918-23	WG-121411-DF-023	96	81	90	99
240-6918-23 MS	WG-121411-DF-023	87	95	95	90
240-6918-23 MSD	WG-121411-DF-023	86	99	97	92
240-6918-24	WG-121411-DF-025	90	78	91	94
240-6918-25	WG-121411-DF-027	92	86	90	92
240-6918-26	WG-121411-DF-028	90	85	89	92
240-6918-27	WG-121411-KH-024	89	86	90	90
240-6918-28	WG-121411-KH-026	90	80	89	94
240-6918-29	WG-121411-KH-029	95	85	94	93
240-6918-30	WG-121411-KH-030	88	80	90	93
240-6918-31	WG-121411-KH-031	94	81	92	96
240-6918-32	TB-121411-KH-032	91	80	90	93
240-7036-1	WG-121511-KH-033	111	86	104	111
240-7036-2	WG-121511-KH-034	110	86	100	110
240-7036-3	WG-121511-KH-035	110	83	99	113
LCS 240-27613/4	Lab Control Sample	81	94	96	86
LCS 240-27689/4	Lab Control Sample	84	92	94	87
LCS 240-27765/4	Lab Control Sample	98	111	111	103
LCS 240-28111/4	Lab Control Sample	108	101	105	106
MB 240-27613/5	Method Blank	90	81	93	91
MB 240-27689/5	Method Blank	95	87	96	95
MB 240-27765/5	Method Blank	92	82	94	94
MB 240-28111/5	Method Blank	107	91	103	108

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: WQ

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)
240-7036-4	TB-121511-KH-036	111	85	100	114

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(28-110)	(10-110)	(22-120)	(27-111)	(10-110)	(37-119)
240-6918-2	WG-121211-DF-003	61	69	69	57	63	76
240-6918-7	WG-121211-KH-002	59	67	61	51	62	43
240-6918-12	WG-121311-DF-013	63	0 X	0 X	0 X	0 X	0 X
240-6918-13	WG-121311-DF-014	64	0 X	0 X	0 X	0 X	0 X
240-6918-15	WG-121311-DF-020	52	53	46	61	54	82
240-6918-23	WG-121411-DF-023	53	62	67	60	60	64
240-6918-23 MS	WG-121411-DF-023	57	59	71	59	62	63
240-6918-23 MSD	WG-121411-DF-023	54	55	66	57	58	65
240-6918-24	WG-121411-DF-025	46	53	57	51	51	63
240-6918-26	WG-121411-DF-028	52	62	56	59	59	64
LCS 240-27141/22-A	Lab Control Sample	75	82	85	79	82	84
LCS 240-27299/20-A	Lab Control Sample	82	80	82	91	83	95
LCS 240-27668/24-A	Lab Control Sample	76	79	79	82	83	85
MB 240-27141/21-A	Method Blank	62	79	53	75	74	92
MB 240-27299/19-A	Method Blank	78	79	51	86	80	99
MB 240-27668/23-A	Method Blank	73	77	61	78	81	89

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: 8015B - Gasoline Range Organics - (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(10-150)
240-6918-2	WG-121211-DF-003	67
240-6918-7	WG-121211-KH-002	71
240-6918-12	WG-121311-DF-013	71

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(10-150)
240-6918-13	WG-121311-DF-014	70
240-6918-15	WG-121311-DF-020	67
240-6918-23	WG-121411-DF-023	69
240-6918-23 MS	WG-121411-DF-023	71
240-6918-23 MSD	WG-121411-DF-023	73
240-6918-24	WG-121411-DF-025	66
240-6918-26	WG-121411-DF-028	72
LCS 240-27337/7	Lab Control Sample	77
MB 240-27337/6	Method Blank	70

Surrogate Legend

TFT = Trifluorotoluene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		C91
Lab Sample ID	Client Sample ID	(10-110)
240-6918-2	WG-121211-DF-003	74
240-6918-7	WG-121211-KH-002	65
240-6918-12	WG-121311-DF-013	35
240-6918-13	WG-121311-DF-014	32
240-6918-15	WG-121311-DF-020	72
240-6918-23	WG-121411-DF-023	87
240-6918-23 MS	WG-121411-DF-023	68
240-6918-23 MSD	WG-121411-DF-023	69
240-6918-24	WG-121411-DF-025	67
240-6918-26	WG-121411-DF-028	68
LCS 240-27161/12-A	Lab Control Sample	76
MB 240-27161/11-A	Method Blank	75

Surrogate Legend

C9 = n-Nonane

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

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

Lab Sample ID: MB 240-27613/5
Matrix: Water
Analysis Batch: 27613

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			12/20/11 23:45	1
Benzene	1.0	U	1.0	0.13	ug/L			12/20/11 23:45	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/20/11 23:45	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/20/11 23:45	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/20/11 23:45	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/20/11 23:45	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/20/11 23:45	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/20/11 23:45	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/20/11 23:45	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/20/11 23:45	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/20/11 23:45	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/20/11 23:45	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/20/11 23:45	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/20/11 23:45	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/20/11 23:45	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/20/11 23:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/20/11 23:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/20/11 23:45	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/20/11 23:45	1
2-Hexanone	10	U	10	0.41	ug/L			12/20/11 23:45	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/20/11 23:45	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/20/11 23:45	1
Styrene	1.0	U	1.0	0.11	ug/L			12/20/11 23:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/20/11 23:45	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/20/11 23:45	1
Toluene	1.0	U	1.0	0.13	ug/L			12/20/11 23:45	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/20/11 23:45	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/20/11 23:45	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/20/11 23:45	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/20/11 23:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/20/11 23:45	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/20/11 23:45	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/20/11 23:45	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/20/11 23:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/20/11 23:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/20/11 23:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/20/11 23:45	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/20/11 23:45	1
Methyl acetate	10	U	10	0.38	ug/L			12/20/11 23:45	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/20/11 23:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/20/11 23:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/20/11 23:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/20/11 23:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/20/11 23:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/20/11 23:45	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/20/11 23:45	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/20/11 23:45	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/20/11 23:45	1

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

Lab Sample ID: MB 240-27613/5
Matrix: Water
Analysis Batch: 27613

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*		*12/20/11 23:45*	*1*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*12/20/11 23:45*	*1*
Toluene-d8 (Surr)	*93*		*74 - 115*		*12/20/11 23:45*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 121*		*12/20/11 23:45*	*1*

Lab Sample ID: LCS 240-27613/4
Matrix: Water
Analysis Batch: 27613

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	15.4		ug/L		77	43 - 136
Benzene	10.0	9.40		ug/L		94	83 - 112
Dichlorobromomethane	10.0	8.80		ug/L		88	72 - 121
Bromoform	10.0	7.02		ug/L		70	40 - 131
Bromomethane	10.0	7.18		ug/L		72	11 - 185
2-Butanone (MEK)	20.0	17.0		ug/L		85	60 - 126
Carbon disulfide	10.0	8.95		ug/L		90	62 - 142
Carbon tetrachloride	10.0	7.51		ug/L		75	66 - 128
Chlorobenzene	10.0	9.35		ug/L		94	85 - 110
Chloroethane	10.0	8.03		ug/L		80	25 - 153
Chloroform	10.0	8.95		ug/L		90	79 - 117
Chloromethane	10.0	8.08		ug/L		81	44 - 126
1,1-Dichloroethane	10.0	9.60		ug/L		96	82 - 115
1,2-Dichloroethane	10.0	8.51		ug/L		85	71 - 127
1,1-Dichloroethene	10.0	9.30		ug/L		93	78 - 131
1,2-Dichloropropane	10.0	9.90		ug/L		99	81 - 115
cis-1,3-Dichloropropene	10.0	7.54		ug/L		75	61 - 115
trans-1,3-Dichloropropene	10.0	7.81		ug/L		78	58 - 117
Ethylbenzene	10.0	9.47		ug/L		95	83 - 112
2-Hexanone	20.0	18.5		ug/L		93	55 - 133
Methylene Chloride	10.0	8.20		ug/L		82	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	18.2		ug/L		91	63 - 128
Styrene	10.0	8.48		ug/L		85	79 - 114
1,1,2,2-Tetrachloroethane	10.0	8.82		ug/L		88	68 - 118
Tetrachloroethene	10.0	8.42		ug/L		84	79 - 114
Toluene	10.0	9.59		ug/L		96	84 - 111
Trichloroethene	10.0	8.87		ug/L		89	76 - 117
Vinyl chloride	10.0	7.75		ug/L		78	53 - 127
Xylenes, Total	30.0	28.7		ug/L		96	83 - 112
1,1,1-Trichloroethane	10.0	8.42		ug/L		84	74 - 118
1,1,2-Trichloroethane	10.0	9.41		ug/L		94	80 - 112
Cyclohexane	10.0	8.71		ug/L		87	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	7.37		ug/L		74	42 - 136
Ethylene Dibromide	10.0	8.59		ug/L		86	79 - 113
Dichlorodifluoromethane	10.0	4.77		ug/L		48	19 - 129
cis-1,2-Dichloroethene	10.0	8.88		ug/L		89	80 - 113
trans-1,2-Dichloroethene	10.0	9.12		ug/L		91	83 - 117
Isopropylbenzene	10.0	8.20		ug/L		82	75 - 114
Methyl acetate	10.0	9.40	J	ug/L		94	58 - 131

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

Lab Sample ID: LCS 240-27613/4
Matrix: Water
Analysis Batch: 27613

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	10.0	8.58		ug/L		86	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	8.58		ug/L		86	74 - 151
1,2,4-Trichlorobenzene	10.0	7.51		ug/L		75	48 - 135
1,2-Dichlorobenzene	10.0	9.13		ug/L		91	81 - 110
1,3-Dichlorobenzene	10.0	9.14		ug/L		91	80 - 110
1,4-Dichlorobenzene	10.0	8.89		ug/L		89	82 - 110
Trichlorofluoromethane	10.0	7.49		ug/L		75	49 - 157
Chlorodibromomethane	10.0	7.83		ug/L		78	64 - 119
Methylcyclohexane	10.0	7.49		ug/L		75	56 - 127
m-Xylene & p-Xylene	20.0	19.3		ug/L		97	83 - 113
o-Xylene	10.0	9.40		ug/L		94	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*63 - 129*
4-Bromofluorobenzene (Surr)	*94*		*66 - 117*
Toluene-d8 (Surr)	*96*		*74 - 115*
Dibromofluoromethane (Surr)	*86*		*75 - 121*

Lab Sample ID: 240-6918-14 MS
Matrix: Water
Analysis Batch: 27613

Client Sample ID: WG-121311-DF-018
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	67	U	133	123		ug/L		92	33 - 145
Benzene	6.7	U	66.7	70.7		ug/L		106	72 - 121
Dichlorobromomethane	6.7	U	66.7	63.1		ug/L		95	67 - 120
Bromoform	6.7	U	66.7	49.8		ug/L		75	32 - 128
Bromomethane	6.7	U	66.7	55.0		ug/L		83	10 - 186
2-Butanone (MEK)	67	U	133	126		ug/L		95	54 - 129
Carbon disulfide	6.7	U	66.7	67.4		ug/L		101	57 - 147
Carbon tetrachloride	6.7	U	66.7	56.0		ug/L		84	59 - 129
Chlorobenzene	6.7	U	66.7	67.4		ug/L		101	80 - 110
Chloroethane	6.7	U	66.7	61.3		ug/L		92	21 - 165
Chloroform	6.7	U	66.7	66.7		ug/L		100	76 - 118
Chloromethane	6.7	U	66.7	61.0		ug/L		91	33 - 132
1,1-Dichloroethane	6.7	U	66.7	70.7		ug/L		106	79 - 116
1,2-Dichloroethane	6.7	U	66.7	64.0		ug/L		96	68 - 129
1,1-Dichloroethene	6.7	U	66.7	71.4		ug/L		107	74 - 135
1,2-Dichloropropane	6.7	U	66.7	72.0		ug/L		108	78 - 115
cis-1,3-Dichloropropene	6.7	U	66.7	50.3		ug/L		75	51 - 110
trans-1,3-Dichloropropene	6.7	U	66.7	54.8		ug/L		82	46 - 116
Ethylbenzene	3.2	J	66.7	72.0		ug/L		103	75 - 116
2-Hexanone	67	U	133	137		ug/L		103	47 - 139
Methylene Chloride	6.7	U	66.7	67.4		ug/L		101	63 - 128
4-Methyl-2-pentanone (MIBK)	67	U	133	131		ug/L		99	56 - 131
Styrene	6.7	U	66.7	60.8		ug/L		91	71 - 117
1,1,2,2-Tetrachloroethane	6.7	U	66.7	63.8		ug/L		96	63 - 122
Tetrachloroethene	6.7	U	66.7	64.0		ug/L		96	70 - 117
Toluene	39		66.7	115		ug/L		113	78 - 114

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

Lab Sample ID: 240-6918-14 MS
Matrix: Water
Analysis Batch: 27613

Client Sample ID: WG-121311-DF-018
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	6.7	U	66.7	64.0		ug/L		96	66 - 120
Vinyl chloride	3.1	J	66.7	61.7		ug/L		88	49 - 130
Xylenes, Total	33		200	259		ug/L		113	76 - 116
1,1,1-Trichloroethane	6.7	U	66.7	63.8		ug/L		96	68 - 121
1,1,2-Trichloroethane	6.7	U	66.7	66.6		ug/L		100	75 - 115
Cyclohexane	6.7	U	66.7	60.2		ug/L		90	49 - 123
1,2-Dibromo-3-Chloropropane	13	U	66.7	53.2		ug/L		80	32 - 139
Ethylene Dibromide	6.7	U	66.7	63.9		ug/L		96	74 - 113
Dichlorodifluoromethane	6.7	U	66.7	32.5		ug/L		49	17 - 128
cis-1,2-Dichloroethene	140		66.7	225	F	ug/L		126	70 - 120
trans-1,2-Dichloroethene	2.9	J	66.7	73.4		ug/L		106	80 - 119
Isopropylbenzene	6.7	U	66.7	58.0		ug/L		87	68 - 116
Methyl acetate	67	U	66.7	68.0		ug/L		102	47 - 130
Methyl tert-butyl ether	33	U	66.7	64.4		ug/L		97	46 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	6.7	U	66.7	58.7		ug/L		88	70 - 152
1,2,4-Trichlorobenzene	6.7	U	66.7	50.4		ug/L		76	38 - 138
1,2-Dichlorobenzene	6.7	U	66.7	66.0		ug/L		99	75 - 111
1,3-Dichlorobenzene	6.7	U	66.7	63.8		ug/L		96	73 - 110
1,4-Dichlorobenzene	6.7	U	66.7	63.5		ug/L		95	75 - 110
Trichlorofluoromethane	6.7	U	66.7	58.3		ug/L		87	46 - 157
Chlorodibromomethane	6.7	U	66.7	55.6		ug/L		83	56 - 118
Methylcyclohexane	6.7	U	66.7	47.4		ug/L		71	49 - 127
m-Xylene & p-Xylene	26		133	179		ug/L		114	75 - 117
o-Xylene	6.5		66.7	80.0		ug/L		110	76 - 116

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*
4-Bromofluorobenzene (Surr)	*102*		*66 - 117*
Toluene-d8 (Surr)	*109*		*74 - 115*
Dibromofluoromethane (Surr)	*101*		*75 - 121*

Lab Sample ID: 240-6918-14 MSD
Matrix: Water
Analysis Batch: 27613

Client Sample ID: WG-121311-DF-018
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	67	U	133	115		ug/L		86	33 - 145	7	30
Benzene	6.7	U	66.7	61.7		ug/L		93	72 - 121	14	30
Dichlorobromomethane	6.7	U	66.7	54.0		ug/L		81	67 - 120	15	30
Bromoform	6.7	U	66.7	44.6		ug/L		67	32 - 128	11	30
Bromomethane	6.7	U	66.7	52.7		ug/L		79	10 - 186	4	30
2-Butanone (MEK)	67	U	133	115		ug/L		87	54 - 129	9	30
Carbon disulfide	6.7	U	66.7	60.0		ug/L		90	57 - 147	12	30
Carbon tetrachloride	6.7	U	66.7	51.5		ug/L		77	59 - 129	8	30
Chlorobenzene	6.7	U	66.7	56.7		ug/L		85	80 - 110	17	30
Chloroethane	6.7	U	66.7	53.9		ug/L		81	21 - 165	13	30
Chloroform	6.7	U	66.7	58.1		ug/L		87	76 - 118	14	30
Chloromethane	6.7	U	66.7	54.5		ug/L		82	33 - 132	11	30
1,1-Dichloroethane	6.7	U	66.7	63.2		ug/L		95	79 - 116	11	30

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

Lab Sample ID: 240-6918-14 MSD
Matrix: Water
Analysis Batch: 27613

Client Sample ID: WG-121311-DF-018
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	6.7	U	66.7	56.0		ug/L		84	68 - 129	13	30
1,1-Dichloroethene	6.7	U	66.7	65.6		ug/L		98	74 - 135	8	30
1,2-Dichloropropane	6.7	U	66.7	64.3		ug/L		96	78 - 115	11	30
cis-1,3-Dichloropropene	6.7	U	66.7	45.1		ug/L		68	51 - 110	11	30
trans-1,3-Dichloropropene	6.7	U	66.7	48.1		ug/L		72	46 - 116	13	30
Ethylbenzene	3.2	J	66.7	62.6		ug/L		89	75 - 116	14	30
2-Hexanone	67	U	133	127		ug/L		95	47 - 139	8	30
Methylene Chloride	6.7	U	66.7	56.4		ug/L		85	63 - 128	18	30
4-Methyl-2-pentanone (MIBK)	67	U	133	120		ug/L		90	56 - 131	9	30
Styrene	6.7	U	66.7	53.0		ug/L		80	71 - 117	14	30
1,1,2,2-Tetrachloroethane	6.7	U	66.7	58.2		ug/L		87	63 - 122	9	30
Tetrachloroethene	6.7	U	66.7	57.0		ug/L		86	70 - 117	11	30
Toluene	39		66.7	102		ug/L		94	78 - 114	12	30
Trichloroethene	6.7	U	66.7	57.6		ug/L		86	66 - 120	10	30
Vinyl chloride	3.1	J	66.7	56.1		ug/L		79	49 - 130	10	30
Xylenes, Total	33		200	222		ug/L		95	76 - 116	15	30
1,1,1-Trichloroethane	6.7	U	66.7	55.8		ug/L		84	68 - 121	13	30
1,1,2-Trichloroethane	6.7	U	66.7	59.6		ug/L		89	75 - 115	11	30
Cyclohexane	6.7	U	66.7	68.7		ug/L		103	49 - 123	13	30
1,2-Dibromo-3-Chloropropane	13	U	66.7	51.3		ug/L		77	32 - 139	4	30
Ethylene Dibromide	6.7	U	66.7	55.8		ug/L		84	74 - 113	13	30
Dichlorodifluoromethane	6.7	U	66.7	39.6		ug/L		59	17 - 128	19	30
cis-1,2-Dichloroethene	140		66.7	203		ug/L		93	70 - 120	10	30
trans-1,2-Dichloroethene	2.9	J	66.7	64.4		ug/L		92	80 - 119	13	30
Isopropylbenzene	6.7	U	66.7	51.0		ug/L		76	68 - 116	13	30
Methyl acetate	67	U	66.7	63.5	J	ug/L		95	47 - 130	7	30
Methyl tert-butyl ether	33	U	66.7	57.2		ug/L		86	46 - 144	12	30
1,1,2-Trichloro-1,2,2-trifluoroethane	6.7	U	66.7	67.4		ug/L		101	70 - 152	14	30
1,2,4-Trichlorobenzene	6.7	U	66.7	45.2		ug/L		68	38 - 138	11	30
1,2-Dichlorobenzene	6.7	U	66.7	57.3		ug/L		86	75 - 111	14	30
1,3-Dichlorobenzene	6.7	U	66.7	54.6		ug/L		82	73 - 110	16	30
1,4-Dichlorobenzene	6.7	U	66.7	54.9		ug/L		82	75 - 110	15	30
Trichlorofluoromethane	6.7	U	66.7	61.9		ug/L		93	46 - 157	6	30
Chlorodibromomethane	6.7	U	66.7	49.7		ug/L		75	56 - 118	11	30
Methylcyclohexane	6.7	U	66.7	60.5		ug/L		91	49 - 127	24	30
m-Xylene & p-Xylene	26		133	155		ug/L		97	75 - 117	14	30
o-Xylene	6.5		66.7	67.4		ug/L		91	76 - 116	17	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 129*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*
Toluene-d8 (Surr)	*99*		*74 - 115*
Dibromofluoromethane (Surr)	*92*		*75 - 121*

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

Lab Sample ID: MB 240-27689/5
Matrix: Water
Analysis Batch: 27689

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			12/21/11 11:51	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 11:51	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 11:51	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 11:51	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 11:51	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 11:51	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 11:51	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 11:51	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 11:51	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 11:51	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 11:51	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 11:51	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 11:51	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 11:51	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 11:51	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 11:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 11:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 11:51	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 11:51	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 11:51	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 11:51	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 11:51	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 11:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 11:51	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 11:51	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 11:51	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 11:51	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 11:51	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 11:51	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 11:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 11:51	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 11:51	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 11:51	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 11:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 11:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 11:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 11:51	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 11:51	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 11:51	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 11:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 11:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 11:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 11:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 11:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 11:51	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 11:51	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 11:51	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 11:51	1

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

Lab Sample ID: MB 240-27689/5
Matrix: Water
Analysis Batch: 27689

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		63 - 129		12/21/11 11:51	1
4-Bromofluorobenzene (Surr)	87		66 - 117		12/21/11 11:51	1
Toluene-d8 (Surr)	96		74 - 115		12/21/11 11:51	1
Dibromofluoromethane (Surr)	95		75 - 121		12/21/11 11:51	1

Lab Sample ID: LCS 240-27689/4
Matrix: Water
Analysis Batch: 27689

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	14.7		ug/L		74	43 - 136
Benzene	10.0	9.47		ug/L		95	83 - 112
Dichlorobromomethane	10.0	8.48		ug/L		85	72 - 121
Bromoform	10.0	6.82		ug/L		68	40 - 131
Bromomethane	10.0	7.72		ug/L		77	11 - 185
2-Butanone (MEK)	20.0	16.8		ug/L		84	60 - 126
Carbon disulfide	10.0	9.01		ug/L		90	62 - 142
Carbon tetrachloride	10.0	7.56		ug/L		76	66 - 128
Chlorobenzene	10.0	8.83		ug/L		88	85 - 110
Chloroethane	10.0	8.06		ug/L		81	25 - 153
Chloroform	10.0	8.89		ug/L		89	79 - 117
Chloromethane	10.0	8.17		ug/L		82	44 - 126
1,1-Dichloroethane	10.0	9.62		ug/L		96	82 - 115
1,2-Dichloroethane	10.0	8.64		ug/L		86	71 - 127
1,1-Dichloroethene	10.0	9.58		ug/L		96	78 - 131
1,2-Dichloropropane	10.0	9.96		ug/L		100	81 - 115
cis-1,3-Dichloropropene	10.0	7.59		ug/L		76	61 - 115
trans-1,3-Dichloropropene	10.0	7.57		ug/L		76	58 - 117
Ethylbenzene	10.0	9.39		ug/L		94	83 - 112
2-Hexanone	20.0	18.4		ug/L		92	55 - 133
Methylene Chloride	10.0	8.61		ug/L		86	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	17.9		ug/L		90	63 - 128
Styrene	10.0	8.26		ug/L		83	79 - 114
1,1,2,2-Tetrachloroethane	10.0	8.72		ug/L		87	68 - 118
Tetrachloroethene	10.0	8.46		ug/L		85	79 - 114
Toluene	10.0	9.47		ug/L		95	84 - 111
Trichloroethene	10.0	8.75		ug/L		88	76 - 117
Vinyl chloride	10.0	7.65		ug/L		77	53 - 127
Xylenes, Total	30.0	27.7		ug/L		92	83 - 112
1,1,1-Trichloroethane	10.0	8.48		ug/L		85	74 - 118
1,1,2-Trichloroethane	10.0	8.77		ug/L		88	80 - 112
Cyclohexane	10.0	9.31		ug/L		93	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	7.48		ug/L		75	42 - 136
Ethylene Dibromide	10.0	8.54		ug/L		85	79 - 113
Dichlorodifluoromethane	10.0	5.35		ug/L		54	19 - 129
cis-1,2-Dichloroethene	10.0	8.91		ug/L		89	80 - 113
trans-1,2-Dichloroethene	10.0	9.23		ug/L		92	83 - 117
Isopropylbenzene	10.0	8.07		ug/L		81	75 - 114
Methyl acetate	10.0	9.22	J	ug/L		92	58 - 131

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

Lab Sample ID: LCS 240-27689/4
Matrix: Water
Analysis Batch: 27689

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	10.0	8.57		ug/L		86	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.30		ug/L		93	74 - 151
1,2,4-Trichlorobenzene	10.0	7.44		ug/L		74	48 - 135
1,2-Dichlorobenzene	10.0	8.96		ug/L		90	81 - 110
1,3-Dichlorobenzene	10.0	9.03		ug/L		90	80 - 110
1,4-Dichlorobenzene	10.0	8.70		ug/L		87	82 - 110
Trichlorofluoromethane	10.0	8.55		ug/L		86	49 - 157
Chlorodibromomethane	10.0	7.43		ug/L		74	64 - 119
Methylcyclohexane	10.0	8.28		ug/L		83	56 - 127
m-Xylene & p-Xylene	20.0	18.6		ug/L		93	83 - 113
o-Xylene	10.0	9.14		ug/L		91	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 129*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*
Toluene-d8 (Surr)	*94*		*74 - 115*
Dibromofluoromethane (Surr)	*87*		*75 - 121*

Lab Sample ID: 240-6918-23 MS
Matrix: Water
Analysis Batch: 27689

Client Sample ID: WG-121411-DF-023
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	15.0		ug/L		75	33 - 145
Benzene	0.15	J	10.0	9.55		ug/L		94	72 - 121
Dichlorobromomethane	1.0	U	10.0	8.31		ug/L		83	67 - 120
Bromoform	1.0	U	10.0	6.97		ug/L		70	32 - 128
Bromomethane	1.0	U	10.0	7.21		ug/L		72	10 - 186
2-Butanone (MEK)	10	U	20.0	16.1		ug/L		81	54 - 129
Carbon disulfide	1.0	U	10.0	9.08		ug/L		91	57 - 147
Carbon tetrachloride	1.0	U	10.0	7.56		ug/L		76	59 - 129
Chlorobenzene	1.0	U	10.0	8.92		ug/L		89	80 - 110
Chloroethane	1.0	U	10.0	7.93		ug/L		79	21 - 165
Chloroform	1.0	U	10.0	8.94		ug/L		89	76 - 118
Chloromethane	1.0	U	10.0	7.87		ug/L		79	33 - 132
1,1-Dichloroethane	1.0	U	10.0	9.75		ug/L		98	79 - 116
1,2-Dichloroethane	1.0	U	10.0	8.56		ug/L		86	68 - 129
1,1-Dichloroethene	1.0	U	10.0	9.66		ug/L		97	74 - 135
1,2-Dichloropropane	1.0	U	10.0	9.52		ug/L		95	78 - 115
cis-1,3-Dichloropropene	1.0	U	10.0	6.69		ug/L		67	51 - 110
trans-1,3-Dichloropropene	1.0	U	10.0	7.22		ug/L		72	46 - 116
Ethylbenzene	1.0	U	10.0	9.00		ug/L		90	75 - 116
2-Hexanone	10	U	20.0	17.9		ug/L		90	47 - 139
Methylene Chloride	1.0	U	10.0	8.13		ug/L		81	63 - 128
4-Methyl-2-pentanone (MIBK)	10	U	20.0	16.9		ug/L		85	56 - 131
Styrene	1.0	U	10.0	8.20		ug/L		82	71 - 117
1,1,2,2-Tetrachloroethane	1.0	U	10.0	8.43		ug/L		84	63 - 122
Tetrachloroethene	1.0	U	10.0	8.16		ug/L		82	70 - 117
Toluene	1.0	U	10.0	9.18		ug/L		92	78 - 114

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

Lab Sample ID: 240-6918-23 MS
Matrix: Water
Analysis Batch: 27689

Client Sample ID: WG-121411-DF-023
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	1.0	U	10.0	8.38		ug/L		84	66 - 120
Vinyl chloride	1.0	U	10.0	7.75		ug/L		78	49 - 130
Xylenes, Total	2.0	U	30.0	27.5		ug/L		92	76 - 116
1,1,1-Trichloroethane	1.0	U	10.0	8.51		ug/L		85	68 - 121
1,1,2-Trichloroethane	1.0	U	10.0	8.82		ug/L		88	75 - 115
Cyclohexane	1.0	U	10.0	8.95		ug/L		90	49 - 123
1,2-Dibromo-3-Chloropropane	2.0	U	10.0	7.41		ug/L		74	32 - 139
Ethylene Dibromide	1.0	U	10.0	8.15		ug/L		82	74 - 113
Dichlorodifluoromethane	1.0	U	10.0	4.93		ug/L		49	17 - 128
cis-1,2-Dichloroethene	1.0	U	10.0	9.17		ug/L		92	70 - 120
trans-1,2-Dichloroethene	1.0	U	10.0	9.40		ug/L		94	80 - 119
Isopropylbenzene	1.0	U	10.0	7.99		ug/L		80	68 - 116
Methyl acetate	10	U	10.0	8.26	J	ug/L		83	47 - 130
Methyl tert-butyl ether	5.0	U	10.0	8.19		ug/L		82	46 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	9.07		ug/L		91	70 - 152
1,2,4-Trichlorobenzene	1.0	U	10.0	7.38		ug/L		74	38 - 138
1,2-Dichlorobenzene	1.0	U	10.0	8.71		ug/L		87	75 - 111
1,3-Dichlorobenzene	1.0	U	10.0	8.85		ug/L		89	73 - 110
1,4-Dichlorobenzene	1.0	U	10.0	8.65		ug/L		87	75 - 110
Trichlorofluoromethane	1.0	U	10.0	8.57		ug/L		86	46 - 157
Chlorodibromomethane	1.0	U	10.0	7.29		ug/L		73	56 - 118
Methylcyclohexane	1.0	U	10.0	7.33		ug/L		73	49 - 127
m-Xylene & p-Xylene	2.0		20.0	18.5		ug/L		93	75 - 117
o-Xylene	1.0		10.0	9.04		ug/L		90	76 - 116

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 129*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*
Toluene-d8 (Surr)	*95*		*74 - 115*
Dibromofluoromethane (Surr)	*90*		*75 - 121*

Lab Sample ID: 240-6918-23 MSD
Matrix: Water
Analysis Batch: 27689

Client Sample ID: WG-121411-DF-023
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	3	30
Benzene	0.15	J	10.0	9.75		ug/L		96	72 - 121	2	30
Dichlorobromomethane	1.0	U	10.0	8.42		ug/L		84	67 - 120	1	30
Bromoform	1.0	U	10.0	6.97		ug/L		70	32 - 128	0	30
Bromomethane	1.0	U	10.0	7.03		ug/L		70	10 - 186	3	30
2-Butanone (MEK)	10	U	20.0	16.0		ug/L		80	54 - 129	1	30
Carbon disulfide	1.0	U	10.0	9.20		ug/L		92	57 - 147	1	30
Carbon tetrachloride	1.0	U	10.0	7.71		ug/L		77	59 - 129	2	30
Chlorobenzene	1.0	U	10.0	8.92		ug/L		89	80 - 110	0	30
Chloroethane	1.0	U	10.0	8.16		ug/L		82	21 - 165	3	30
Chloroform	1.0	U	10.0	9.23		ug/L		92	76 - 118	3	30
Chloromethane	1.0	U	10.0	7.89		ug/L		79	33 - 132	0	30
1,1-Dichloroethane	1.0	U	10.0	9.84		ug/L		98	79 - 116	1	30

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

Lab Sample ID: 240-6918-23 MSD
Matrix: Water
Analysis Batch: 27689

Client Sample ID: WG-121411-DF-023
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	1.0	U	10.0	8.41		ug/L		84	68 - 129	2	30
1,1-Dichloroethene	1.0	U	10.0	9.67		ug/L		97	74 - 135	0	30
1,2-Dichloropropane	1.0	U	10.0	9.77		ug/L		98	78 - 115	3	30
cis-1,3-Dichloropropene	1.0	U	10.0	6.91		ug/L		69	51 - 110	3	30
trans-1,3-Dichloropropene	1.0	U	10.0	7.28		ug/L		73	46 - 116	1	30
Ethylbenzene	1.0	U	10.0	9.53		ug/L		95	75 - 116	6	30
2-Hexanone	10	U	20.0	18.1		ug/L		91	47 - 139	1	30
Methylene Chloride	1.0	U	10.0	8.18		ug/L		82	63 - 128	1	30
4-Methyl-2-pentanone (MIBK)	10	U	20.0	17.5		ug/L		88	56 - 131	3	30
Styrene	1.0	U	10.0	8.37		ug/L		84	71 - 117	2	30
1,1,2,2-Tetrachloroethane	1.0	U	10.0	8.32		ug/L		83	63 - 122	1	30
Tetrachloroethene	1.0	U	10.0	8.34		ug/L		83	70 - 117	2	30
Toluene	1.0	U	10.0	9.35		ug/L		94	78 - 114	2	30
Trichloroethene	1.0	U	10.0	8.69		ug/L		87	66 - 120	4	30
Vinyl chloride	1.0	U	10.0	8.04		ug/L		80	49 - 130	4	30
Xylenes, Total	2.0	U	30.0	28.2		ug/L		94	76 - 116	2	30
1,1,1-Trichloroethane	1.0	U	10.0	8.80		ug/L		88	68 - 121	3	30
1,1,2-Trichloroethane	1.0	U	10.0	8.88		ug/L		89	75 - 115	1	30
Cyclohexane	1.0	U	10.0	9.17		ug/L		92	49 - 123	2	30
1,2-Dibromo-3-Chloropropane	2.0	U	10.0	7.27		ug/L		73	32 - 139	2	30
Ethylene Dibromide	1.0	U	10.0	8.35		ug/L		84	74 - 113	2	30
Dichlorodifluoromethane	1.0	U	10.0	5.18		ug/L		52	17 - 128	5	30
cis-1,2-Dichloroethene	1.0	U	10.0	9.51		ug/L		95	70 - 120	4	30
trans-1,2-Dichloroethene	1.0	U	10.0	9.66		ug/L		97	80 - 119	3	30
Isopropylbenzene	1.0	U	10.0	8.12		ug/L		81	68 - 116	2	30
Methyl acetate	10	U	10.0	8.22	J	ug/L		82	47 - 130	0	30
Methyl tert-butyl ether	5.0	U	10.0	8.51		ug/L		85	46 - 144	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	9.13		ug/L		91	70 - 152	1	30
1,2,4-Trichlorobenzene	1.0	U	10.0	7.56		ug/L		76	38 - 138	2	30
1,2-Dichlorobenzene	1.0	U	10.0	8.82		ug/L		88	75 - 111	1	30
1,3-Dichlorobenzene	1.0	U	10.0	8.62		ug/L		86	73 - 110	3	30
1,4-Dichlorobenzene	1.0	U	10.0	8.68		ug/L		87	75 - 110	0	30
Trichlorofluoromethane	1.0	U	10.0	8.52		ug/L		85	46 - 157	1	30
Chlorodibromomethane	1.0	U	10.0	7.32		ug/L		73	56 - 118	0	30
Methylcyclohexane	1.0	U	10.0	7.74		ug/L		77	49 - 127	5	30
m-Xylene & p-Xylene	2.0		20.0	18.8		ug/L		94	75 - 117	2	30
o-Xylene	1.0		10.0	9.39		ug/L		94	76 - 116	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*63 - 129*
4-Bromofluorobenzene (Surr)	*99*		*66 - 117*
Toluene-d8 (Surr)	*97*		*74 - 115*
Dibromofluoromethane (Surr)	*92*		*75 - 121*

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

Lab Sample ID: MB 240-27765/5
Matrix: Water
Analysis Batch: 27765

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			12/21/11 22:24	1
Benzene	1.0	U	1.0	0.13	ug/L			12/21/11 22:24	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/21/11 22:24	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/21/11 22:24	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/21/11 22:24	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/21/11 22:24	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/21/11 22:24	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/21/11 22:24	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 22:24	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/21/11 22:24	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/21/11 22:24	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/21/11 22:24	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/21/11 22:24	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 22:24	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 22:24	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/21/11 22:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/21/11 22:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/21/11 22:24	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/21/11 22:24	1
2-Hexanone	10	U	10	0.41	ug/L			12/21/11 22:24	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/21/11 22:24	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/21/11 22:24	1
Styrene	1.0	U	1.0	0.11	ug/L			12/21/11 22:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/21/11 22:24	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/21/11 22:24	1
Toluene	1.0	U	1.0	0.13	ug/L			12/21/11 22:24	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 22:24	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/21/11 22:24	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/21/11 22:24	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/21/11 22:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/21/11 22:24	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/21/11 22:24	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/21/11 22:24	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/21/11 22:24	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/21/11 22:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/21/11 22:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/21/11 22:24	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/21/11 22:24	1
Methyl acetate	10	U	10	0.38	ug/L			12/21/11 22:24	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/21/11 22:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/21/11 22:24	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/21/11 22:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 22:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/21/11 22:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/21/11 22:24	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/21/11 22:24	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/21/11 22:24	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/21/11 22:24	1

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

Lab Sample ID: MB 240-27765/5
Matrix: Water
Analysis Batch: 27765

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		63 - 129		12/21/11 22:24	1
4-Bromofluorobenzene (Surr)	82		66 - 117		12/21/11 22:24	1
Toluene-d8 (Surr)	94		74 - 115		12/21/11 22:24	1
Dibromofluoromethane (Surr)	94		75 - 121		12/21/11 22:24	1

Lab Sample ID: LCS 240-27765/4
Matrix: Water
Analysis Batch: 27765

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	18.0		ug/L		90	43 - 136
Benzene	10.0	10.9		ug/L		109	83 - 112
Dichlorobromomethane	10.0	9.79		ug/L		98	72 - 121
Bromoform	10.0	7.91		ug/L		79	40 - 131
Bromomethane	10.0	8.12		ug/L		81	11 - 185
2-Butanone (MEK)	20.0	19.0		ug/L		95	60 - 126
Carbon disulfide	10.0	9.81		ug/L		98	62 - 142
Carbon tetrachloride	10.0	8.48		ug/L		85	66 - 128
Chlorobenzene	10.0	10.3		ug/L		103	85 - 110
Chloroethane	10.0	9.05		ug/L		91	25 - 153
Chloroform	10.0	10.4		ug/L		104	79 - 117
Chloromethane	10.0	9.15		ug/L		92	44 - 126
1,1-Dichloroethane	10.0	11.1		ug/L		111	82 - 115
1,2-Dichloroethane	10.0	9.78		ug/L		98	71 - 127
1,1-Dichloroethene	10.0	10.7		ug/L		107	78 - 131
1,2-Dichloropropane	10.0	11.2		ug/L		112	81 - 115
cis-1,3-Dichloropropene	10.0	8.25		ug/L		83	61 - 115
trans-1,3-Dichloropropene	10.0	8.71		ug/L		87	58 - 117
Ethylbenzene	10.0	10.9		ug/L		109	83 - 112
2-Hexanone	20.0	20.9		ug/L		105	55 - 133
Methylene Chloride	10.0	10.1		ug/L		101	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	20.4		ug/L		102	63 - 128
Styrene	10.0	9.52		ug/L		95	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.84		ug/L		98	68 - 118
Tetrachloroethene	10.0	9.69		ug/L		97	79 - 114
Toluene	10.0	10.8		ug/L		108	84 - 111
Trichloroethene	10.0	9.93		ug/L		99	76 - 117
Vinyl chloride	10.0	8.76		ug/L		88	53 - 127
Xylenes, Total	30.0	32.4		ug/L		108	83 - 112
1,1,1-Trichloroethane	10.0	9.60		ug/L		96	74 - 118
1,1,2-Trichloroethane	10.0	9.98		ug/L		100	80 - 112
Cyclohexane	10.0	9.67		ug/L		97	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	8.42		ug/L		84	42 - 136
Ethylene Dibromide	10.0	9.73		ug/L		97	79 - 113
Dichlorodifluoromethane	10.0	5.20		ug/L		52	19 - 129
cis-1,2-Dichloroethene	10.0	10.4		ug/L		104	80 - 113
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	83 - 117
Isopropylbenzene	10.0	9.43		ug/L		94	75 - 114
Methyl acetate	10.0	10.3		ug/L		103	58 - 131

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

Lab Sample ID: LCS 240-27765/4
Matrix: Water
Analysis Batch: 27765

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	10.0	9.64		ug/L		96	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.48		ug/L		95	74 - 151
1,2,4-Trichlorobenzene	10.0	8.43		ug/L		84	48 - 135
1,2-Dichlorobenzene	10.0	10.7		ug/L		107	81 - 110
1,3-Dichlorobenzene	10.0	10.3		ug/L		103	80 - 110
1,4-Dichlorobenzene	10.0	10.3		ug/L		103	82 - 110
Trichlorofluoromethane	10.0	9.08		ug/L		91	49 - 157
Chlorodibromomethane	10.0	8.50		ug/L		85	64 - 119
Methylcyclohexane	10.0	8.08		ug/L		81	56 - 127
m-Xylene & p-Xylene	20.0	21.7		ug/L		109	83 - 113
o-Xylene	10.0	10.7		ug/L		107	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 129*
4-Bromofluorobenzene (Surr)	*111*		*66 - 117*
Toluene-d8 (Surr)	*111*		*74 - 115*
Dibromofluoromethane (Surr)	*103*		*75 - 121*

Lab Sample ID: MB 240-28111/5
Matrix: Water
Analysis Batch: 28111

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			12/24/11 11:36	1
Benzene	1.0	U	1.0	0.13	ug/L			12/24/11 11:36	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			12/24/11 11:36	1
Bromoform	1.0	U	1.0	0.64	ug/L			12/24/11 11:36	1
Bromomethane	1.0	U	1.0	0.41	ug/L			12/24/11 11:36	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			12/24/11 11:36	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			12/24/11 11:36	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			12/24/11 11:36	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 11:36	1
Chloroethane	1.0	U	1.0	0.29	ug/L			12/24/11 11:36	1
Chloroform	1.0	U	1.0	0.16	ug/L			12/24/11 11:36	1
Chloromethane	1.0	U	1.0	0.30	ug/L			12/24/11 11:36	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			12/24/11 11:36	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 11:36	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/24/11 11:36	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			12/24/11 11:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			12/24/11 11:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/24/11 11:36	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			12/24/11 11:36	1
2-Hexanone	10	U	10	0.41	ug/L			12/24/11 11:36	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			12/24/11 11:36	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			12/24/11 11:36	1
Styrene	1.0	U	1.0	0.11	ug/L			12/24/11 11:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			12/24/11 11:36	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			12/24/11 11:36	1
Toluene	1.0	U	1.0	0.13	ug/L			12/24/11 11:36	1

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

Lab Sample ID: MB 240-28111/5
Matrix: Water
Analysis Batch: 28111

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.17	ug/L			12/24/11 11:36	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			12/24/11 11:36	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			12/24/11 11:36	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			12/24/11 11:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			12/24/11 11:36	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			12/24/11 11:36	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			12/24/11 11:36	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			12/24/11 11:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/24/11 11:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/24/11 11:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			12/24/11 11:36	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			12/24/11 11:36	1
Methyl acetate	10	U	10	0.38	ug/L			12/24/11 11:36	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			12/24/11 11:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			12/24/11 11:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			12/24/11 11:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 11:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			12/24/11 11:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			12/24/11 11:36	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			12/24/11 11:36	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			12/24/11 11:36	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			12/24/11 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*		*12/24/11 11:36*	*1*
4-Bromofluorobenzene (Surr)	*91*		*66 - 117*		*12/24/11 11:36*	*1*
Toluene-d8 (Surr)	*103*		*74 - 115*		*12/24/11 11:36*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 121*		*12/24/11 11:36*	*1*

Lab Sample ID: LCS 240-28111/4
Matrix: Water
Analysis Batch: 28111

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	17.3		ug/L		87	43 - 136
Benzene	10.0	10.4		ug/L		104	83 - 112
Dichlorobromomethane	10.0	10.6		ug/L		106	72 - 121
Bromoform	10.0	8.44		ug/L		84	40 - 131
Bromomethane	10.0	9.48		ug/L		95	11 - 185
2-Butanone (MEK)	20.0	19.2		ug/L		96	60 - 126
Carbon disulfide	10.0	11.1		ug/L		111	62 - 142
Carbon tetrachloride	10.0	11.4		ug/L		114	66 - 128
Chlorobenzene	10.0	9.80		ug/L		98	85 - 110
Chloroethane	10.0	9.39		ug/L		94	25 - 153
Chloroform	10.0	10.5		ug/L		105	79 - 117
Chloromethane	10.0	8.05		ug/L		81	44 - 126
1,1-Dichloroethane	10.0	10.5		ug/L		105	82 - 115
1,2-Dichloroethane	10.0	11.0		ug/L		110	71 - 127
1,1-Dichloroethene	10.0	11.3		ug/L		113	78 - 131

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

Lab Sample ID: LCS 240-28111/4
Matrix: Water
Analysis Batch: 28111

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	10.0	10.4		ug/L		104	81 - 115
cis-1,3-Dichloropropene	10.0	9.35		ug/L		94	61 - 115
trans-1,3-Dichloropropene	10.0	9.71		ug/L		97	58 - 117
Ethylbenzene	10.0	10.2		ug/L		102	83 - 112
2-Hexanone	20.0	21.1		ug/L		106	55 - 133
Methylene Chloride	10.0	13.6	*	ug/L		136	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	22.2		ug/L		111	63 - 128
Styrene	10.0	10.2		ug/L		102	79 - 114
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	68 - 118
Tetrachloroethene	10.0	10.2		ug/L		102	79 - 114
Toluene	10.0	10.4		ug/L		104	84 - 111
Trichloroethene	10.0	10.2		ug/L		102	76 - 117
Vinyl chloride	10.0	8.57		ug/L		86	53 - 127
Xylenes, Total	30.0	30.3		ug/L		101	83 - 112
1,1,1-Trichloroethane	10.0	10.7		ug/L		107	74 - 118
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	80 - 112
Cyclohexane	10.0	10.4		ug/L		104	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	9.05		ug/L		91	42 - 136
Ethylene Dibromide	10.0	10.1		ug/L		101	79 - 113
Dichlorodifluoromethane	10.0	7.40		ug/L		74	19 - 129
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	80 - 113
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	83 - 117
Isopropylbenzene	10.0	9.73		ug/L		97	75 - 114
Methyl acetate	10.0	10.3		ug/L		103	58 - 131
Methyl tert-butyl ether	10.0	9.72		ug/L		97	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.6		ug/L		126	74 - 151
1,2,4-Trichlorobenzene	10.0	7.18		ug/L		72	48 - 135
1,2-Dichlorobenzene	10.0	9.60		ug/L		96	81 - 110
1,3-Dichlorobenzene	10.0	9.46		ug/L		95	80 - 110
1,4-Dichlorobenzene	10.0	9.43		ug/L		94	82 - 110
Trichlorofluoromethane	10.0	14.1		ug/L		141	49 - 157
Chlorodibromomethane	10.0	10.2		ug/L		102	64 - 119
Methylcyclohexane	10.0	11.1		ug/L		111	56 - 127
m-Xylene & p-Xylene	20.0	20.2		ug/L		101	83 - 113
o-Xylene	10.0	10.1		ug/L		101	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*63 - 129*
4-Bromofluorobenzene (Surr)	*101*		*66 - 117*
Toluene-d8 (Surr)	*105*		*74 - 115*
Dibromofluoromethane (Surr)	*106*		*75 - 121*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

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

Lab Sample ID: MB 240-27141/21-A
Matrix: Water
Analysis Batch: 27536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
bis (2-chloroisopropyl) ether	1.0	U	1.0	0.40	ug/L		12/16/11 08:05	12/20/11 14:19	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.30	ug/L		12/16/11 08:05	12/20/11 14:19	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
2,4-Dichlorophenol	2.0	U	2.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
2,4-Dimethylphenol	2.0	U	2.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
2,4-Dinitrophenol	5.0	U	5.0	2.4	ug/L		12/16/11 08:05	12/20/11 14:19	1
2,4-Dinitrotoluene	5.0	U	5.0	0.27	ug/L		12/16/11 08:05	12/20/11 14:19	1
2,6-Dinitrotoluene	5.0	U	5.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
2-Chloronaphthalene	1.0	U	1.0	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
2-Chlorophenol	1.0	U	1.0	0.29	ug/L		12/16/11 08:05	12/20/11 14:19	1
2-Methylnaphthalene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
2-Methylphenol	1.0	U	1.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
2-Nitroaniline	2.0	U	2.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
2-Nitrophenol	2.0	U	2.0	0.28	ug/L		12/16/11 08:05	12/20/11 14:19	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.37	ug/L		12/16/11 08:05	12/20/11 14:19	1
3-Nitroaniline	2.0	U	2.0	0.28	ug/L		12/16/11 08:05	12/20/11 14:19	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	2.4	ug/L		12/16/11 08:05	12/20/11 14:19	1
4-Bromophenyl phenyl ether	2.0	U	2.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
4-Chloro-3-methylphenol	2.0	U	2.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
4-Chloroaniline	2.0	U	2.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
4-Chlorophenyl phenyl ether	2.0	U	2.0	0.30	ug/L		12/16/11 08:05	12/20/11 14:19	1
4-Nitroaniline	2.0	U	2.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
4-Nitrophenol	5.0	U	5.0	2.4	ug/L		12/16/11 08:05	12/20/11 14:19	1
Acenaphthene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Acenaphthylene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Acetophenone	1.0	U	1.0	0.34	ug/L		12/16/11 08:05	12/20/11 14:19	1
Anthracene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Atrazine	1.0	U	1.0	0.34	ug/L		12/16/11 08:05	12/20/11 14:19	1
Benzaldehyde	1.0	U	1.0	0.39	ug/L		12/16/11 08:05	12/20/11 14:19	1
Benzo[a]anthracene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Benzo[a]pyrene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Benzo[b]fluoranthene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Benzo[g,h,i]perylene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Benzo[k]fluoranthene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.32	ug/L		12/16/11 08:05	12/20/11 14:19	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Bis(2-ethylhexyl) phthalate	0.952	J	2.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
Butyl benzyl phthalate	1.0	U	1.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
Caprolactam	5.0	U	5.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
Carbazole	1.0	U	1.0	0.28	ug/L		12/16/11 08:05	12/20/11 14:19	1
Chrysene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Dibenz(a,h)anthracene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Dibenzofuran	1.0	U	1.0	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Diethyl phthalate	1.0	U	1.0	0.60	ug/L		12/16/11 08:05	12/20/11 14:19	1
Dimethyl phthalate	1.0	U	1.0	0.29	ug/L		12/16/11 08:05	12/20/11 14:19	1
Di-n-butyl phthalate	1.0	U	1.0	0.67	ug/L		12/16/11 08:05	12/20/11 14:19	1
Di-n-octyl phthalate	1.0	U	1.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
Fluoranthene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1

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

Lab Sample ID: MB 240-27141/21-A
Matrix: Water
Analysis Batch: 27536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Hexachlorobenzene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Hexachlorobutadiene	1.0	U	1.0	0.27	ug/L		12/16/11 08:05	12/20/11 14:19	1
Hexachlorocyclopentadiene	10	U	10	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
Hexachloroethane	1.0	U	1.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Isophorone	1.0	U	1.0	0.27	ug/L		12/16/11 08:05	12/20/11 14:19	1
Naphthalene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Nitrobenzene	1.0	U	1.0	0.040	ug/L		12/16/11 08:05	12/20/11 14:19	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.80	ug/L		12/16/11 08:05	12/20/11 14:19	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.31	ug/L		12/16/11 08:05	12/20/11 14:19	1
Pentachlorophenol	5.0	U	5.0	2.4	ug/L		12/16/11 08:05	12/20/11 14:19	1
Phenol	1.0	U	1.0	0.60	ug/L		12/16/11 08:05	12/20/11 14:19	1
Phenanthrene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
Pyrene	0.20	U	0.20	0.10	ug/L		12/16/11 08:05	12/20/11 14:19	1
3 & 4 Methylphenol	2.0	U	2.0	0.75	ug/L		12/16/11 08:05	12/20/11 14:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*28 - 110*	*12/16/11 08:05*	*12/20/11 14:19*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 110*	*12/16/11 08:05*	*12/20/11 14:19*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*22 - 120*	*12/16/11 08:05*	*12/20/11 14:19*	*1*
Nitrobenzene-d5 (Surr)	*75*		*27 - 111*	*12/16/11 08:05*	*12/20/11 14:19*	*1*
Phenol-d5 (Surr)	*74*		*10 - 110*	*12/16/11 08:05*	*12/20/11 14:19*	*1*
Terphenyl-d14 (Surr)	*92*		*37 - 119*	*12/16/11 08:05*	*12/20/11 14:19*	*1*

Lab Sample ID: LCS 240-27141/22-A
Matrix: Water
Analysis Batch: 27661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	15.4		ug/L		77	50 - 130
bis (2-chloroisopropyl) ether	20.0	14.8		ug/L		74	25 - 128
2,4,5-Trichlorophenol	20.0	15.9		ug/L		79	39 - 110
2,4,6-Trichlorophenol	20.0	16.4		ug/L		82	35 - 110
2,4-Dichlorophenol	20.0	16.6		ug/L		83	33 - 110
2,4-Dimethylphenol	20.0	12.8		ug/L		64	12 - 110
2,4-Dinitrophenol	20.0	10.1		ug/L		51	17 - 112
2,4-Dinitrotoluene	20.0	16.4		ug/L		82	52 - 123
2,6-Dinitrotoluene	20.0	16.7		ug/L		83	52 - 119
2-Chloronaphthalene	20.0	15.8		ug/L		79	39 - 110
2-Chlorophenol	20.0	16.0		ug/L		80	27 - 110
2-Methylnaphthalene	20.0	15.4		ug/L		77	35 - 110
2-Methylphenol	20.0	15.4		ug/L		77	30 - 110
2-Nitroaniline	20.0	15.4		ug/L		77	43 - 130
2-Nitrophenol	20.0	17.3		ug/L		86	29 - 110
3,3'-Dichlorobenzidine	20.0	9.48		ug/L		47	19 - 110
3-Nitroaniline	20.0	15.7		ug/L		78	45 - 116
4,6-Dinitro-2-methylphenol	20.0	15.1		ug/L		75	28 - 112
4-Bromophenyl phenyl ether	20.0	15.7		ug/L		78	51 - 114

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

Lab Sample ID: LCS 240-27141/22-A
Matrix: Water
Analysis Batch: 27661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	20.0	16.0		ug/L		80	39 - 110
4-Chloroaniline	20.0	12.9		ug/L		65	10 - 110
4-Chlorophenyl phenyl ether	20.0	16.0		ug/L		80	50 - 115
4-Nitroaniline	20.0	15.5		ug/L		78	45 - 120
4-Nitrophenol	20.0	16.4		ug/L		82	12 - 130
Acenaphthene	20.0	15.5		ug/L		78	40 - 110
Acenaphthylene	20.0	16.3		ug/L		81	43 - 110
Acetophenone	20.0	16.3		ug/L		82	50 - 130
Anthracene	20.0	16.5		ug/L		83	54 - 114
Atrazine	20.0	19.1		ug/L		96	50 - 130
Benzaldehyde	20.0	17.1		ug/L		86	10 - 130
Benzo[a]anthracene	20.0	15.9		ug/L		79	55 - 115
Benzo[a]pyrene	20.0	13.2		ug/L		66	43 - 116
Benzo[b]fluoranthene	20.0	15.2		ug/L		76	43 - 122
Benzo[g,h,i]perylene	20.0	14.4		ug/L		72	45 - 120
Benzo[k]fluoranthene	20.0	15.0		ug/L		75	43 - 124
Bis(2-chloroethoxy)methane	20.0	15.4		ug/L		77	39 - 110
Bis(2-chloroethyl)ether	20.0	14.6		ug/L		73	34 - 113
Bis(2-ethylhexyl) phthalate	20.0	10.6		ug/L		53	36 - 163
Butyl benzyl phthalate	20.0	16.3		ug/L		82	53 - 126
Caprolactam	20.0	15.7		ug/L		79	50 - 130
Carbazole	20.0	15.7		ug/L		79	53 - 120
Chrysene	20.0	16.3		ug/L		82	55 - 115
Dibenz(a,h)anthracene	20.0	12.1		ug/L		60	46 - 122
Dibenzofuran	20.0	15.8		ug/L		79	46 - 111
Diethyl phthalate	20.0	16.7		ug/L		84	33 - 134
Dimethyl phthalate	20.0	16.5		ug/L		82	15 - 143
Di-n-butyl phthalate	20.0	16.3		ug/L		81	55 - 122
Di-n-octyl phthalate	20.0	9.20		ug/L		46	44 - 128
Fluoranthene	20.0	16.9		ug/L		85	54 - 122
Fluorene	20.0	15.9		ug/L		80	47 - 112
Hexachlorobenzene	20.0	15.6		ug/L		78	51 - 112
Hexachlorobutadiene	20.0	14.1		ug/L		71	13 - 110
Hexachlorocyclopentadiene	20.0	9.06	J	ug/L		45	10 - 110
Hexachloroethane	20.0	13.7		ug/L		68	12 - 110
Indeno[1,2,3-cd]pyrene	20.0	13.5		ug/L		67	46 - 121
Isophorone	20.0	16.2		ug/L		81	44 - 128
Naphthalene	20.0	15.1		ug/L		76	31 - 110
Nitrobenzene	20.0	15.9		ug/L		79	37 - 115
N-Nitrosodi-n-propylamine	20.0	16.7		ug/L		83	37 - 121
N-Nitrosodiphenylamine	20.0	14.7		ug/L		74	53 - 113
Pentachlorophenol	20.0	12.0		ug/L		60	26 - 110
Phenol	20.0	16.2		ug/L		81	14 - 112
Phenanthrene	20.0	15.7		ug/L		79	52 - 114
Pyrene	20.0	15.8		ug/L		79	55 - 120
3 & 4 Methylphenol	40.0	33.0		ug/L		83	32 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*75*		*28 - 110*

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

Lab Sample ID: LCS 240-27141/22-A
Matrix: Water
Analysis Batch: 27661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27141

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*82*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*85*		*22 - 120*
Nitrobenzene-d5 (Surr)	*79*		*27 - 111*
Phenol-d5 (Surr)	*82*		*10 - 110*
Terphenyl-d14 (Surr)	*84*		*37 - 119*

Lab Sample ID: MB 240-27299/19-A
Matrix: Water
Analysis Batch: 27553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27299

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
bis (2-chloroisopropyl) ether	1.0	U	1.0	0.40	ug/L		12/18/11 10:51	12/20/11 12:59	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.30	ug/L		12/18/11 10:51	12/20/11 12:59	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
2,4-Dichlorophenol	2.0	U	2.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
2,4-Dimethylphenol	2.0	U	2.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
2,4-Dinitrophenol	5.0	U	5.0	2.4	ug/L		12/18/11 10:51	12/20/11 12:59	1
2,4-Dinitrotoluene	5.0	U	5.0	0.27	ug/L		12/18/11 10:51	12/20/11 12:59	1
2,6-Dinitrotoluene	5.0	U	5.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
2-Chloronaphthalene	1.0	U	1.0	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
2-Chlorophenol	1.0	U	1.0	0.29	ug/L		12/18/11 10:51	12/20/11 12:59	1
2-Methylnaphthalene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
2-Methylphenol	1.0	U	1.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
2-Nitroaniline	2.0	U	2.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
2-Nitrophenol	2.0	U	2.0	0.28	ug/L		12/18/11 10:51	12/20/11 12:59	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.37	ug/L		12/18/11 10:51	12/20/11 12:59	1
3-Nitroaniline	2.0	U	2.0	0.28	ug/L		12/18/11 10:51	12/20/11 12:59	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	2.4	ug/L		12/18/11 10:51	12/20/11 12:59	1
4-Bromophenyl phenyl ether	2.0	U	2.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
4-Chloro-3-methylphenol	2.0	U	2.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
4-Chloroaniline	2.0	U	2.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
4-Chlorophenyl phenyl ether	2.0	U	2.0	0.30	ug/L		12/18/11 10:51	12/20/11 12:59	1
4-Nitroaniline	2.0	U	2.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
4-Nitrophenol	5.0	U	5.0	2.4	ug/L		12/18/11 10:51	12/20/11 12:59	1
Acenaphthene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Acenaphthylene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Acetophenone	1.0	U	1.0	0.34	ug/L		12/18/11 10:51	12/20/11 12:59	1
Anthracene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Atrazine	1.0	U	1.0	0.34	ug/L		12/18/11 10:51	12/20/11 12:59	1
Benzaldehyde	1.0	U	1.0	0.39	ug/L		12/18/11 10:51	12/20/11 12:59	1
Benzo[a]anthracene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Benzo[a]pyrene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Benzo[b]fluoranthene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Benzo[g,h,i]perylene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Benzo[k]fluoranthene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.32	ug/L		12/18/11 10:51	12/20/11 12:59	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Bis(2-ethylhexyl) phthalate	0.902	J	2.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1

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

Lab Sample ID: MB 240-27299/19-A
Matrix: Water
Analysis Batch: 27553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27299

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	1.0	U	1.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
Caprolactam	5.0	U	5.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
Carbazole	1.0	U	1.0	0.28	ug/L		12/18/11 10:51	12/20/11 12:59	1
Chrysene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Dibenz(a,h)anthracene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Dibenzofuran	1.0	U	1.0	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Diethyl phthalate	1.0	U	1.0	0.60	ug/L		12/18/11 10:51	12/20/11 12:59	1
Dimethyl phthalate	1.0	U	1.0	0.29	ug/L		12/18/11 10:51	12/20/11 12:59	1
Di-n-butyl phthalate	1.0	U	1.0	0.67	ug/L		12/18/11 10:51	12/20/11 12:59	1
Di-n-octyl phthalate	1.0	U	1.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
Fluoranthene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Fluorene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Hexachlorobenzene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Hexachlorobutadiene	1.0	U	1.0	0.27	ug/L		12/18/11 10:51	12/20/11 12:59	1
Hexachlorocyclopentadiene	10	U	10	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
Hexachloroethane	1.0	U	1.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Isophorone	1.0	U	1.0	0.27	ug/L		12/18/11 10:51	12/20/11 12:59	1
Naphthalene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Nitrobenzene	1.0	U	1.0	0.040	ug/L		12/18/11 10:51	12/20/11 12:59	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.80	ug/L		12/18/11 10:51	12/20/11 12:59	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.31	ug/L		12/18/11 10:51	12/20/11 12:59	1
Pentachlorophenol	5.0	U	5.0	2.4	ug/L		12/18/11 10:51	12/20/11 12:59	1
Phenol	1.0	U	1.0	0.60	ug/L		12/18/11 10:51	12/20/11 12:59	1
Phenanthrene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
Pyrene	0.20	U	0.20	0.10	ug/L		12/18/11 10:51	12/20/11 12:59	1
3 & 4 Methylphenol	2.0	U	2.0	0.75	ug/L		12/18/11 10:51	12/20/11 12:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*28 - 110*	*12/18/11 10:51*	*12/20/11 12:59*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 110*	*12/18/11 10:51*	*12/20/11 12:59*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*22 - 120*	*12/18/11 10:51*	*12/20/11 12:59*	*1*
Nitrobenzene-d5 (Surr)	*86*		*27 - 111*	*12/18/11 10:51*	*12/20/11 12:59*	*1*
Phenol-d5 (Surr)	*80*		*10 - 110*	*12/18/11 10:51*	*12/20/11 12:59*	*1*
Terphenyl-d14 (Surr)	*99*		*37 - 119*	*12/18/11 10:51*	*12/20/11 12:59*	*1*

Lab Sample ID: LCS 240-27299/20-A
Matrix: Water
Analysis Batch: 27553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27299

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	16.6		ug/L		83	50 - 130
bis (2-chloroisopropyl) ether	20.0	15.0		ug/L		75	25 - 128
2,4,5-Trichlorophenol	20.0	16.3		ug/L		82	39 - 110
2,4,6-Trichlorophenol	20.0	16.7		ug/L		83	35 - 110
2,4-Dichlorophenol	20.0	17.3		ug/L		87	33 - 110
2,4-Dimethylphenol	20.0	15.4		ug/L		77	12 - 110
2,4-Dinitrophenol	20.0	11.7		ug/L		58	17 - 112
2,4-Dinitrotoluene	20.0	17.5		ug/L		87	52 - 123

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

Lab Sample ID: LCS 240-27299/20-A
Matrix: Water
Analysis Batch: 27553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27299

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,6-Dinitrotoluene	20.0	18.2		ug/L		91	52 - 119
2-Chloronaphthalene	20.0	16.2		ug/L		81	39 - 110
2-Chlorophenol	20.0	15.6		ug/L		78	27 - 110
2-Methylnaphthalene	20.0	16.9		ug/L		84	35 - 110
2-Methylphenol	20.0	16.3		ug/L		81	30 - 110
2-Nitroaniline	20.0	16.8		ug/L		84	43 - 130
2-Nitrophenol	20.0	18.1		ug/L		90	29 - 110
3,3'-Dichlorobenzidine	20.0	10.6		ug/L		53	19 - 110
3-Nitroaniline	20.0	16.3		ug/L		81	45 - 116
4,6-Dinitro-2-methylphenol	20.0	15.6		ug/L		78	28 - 112
4-Bromophenyl phenyl ether	20.0	16.3		ug/L		81	51 - 114
4-Chloro-3-methylphenol	20.0	17.5		ug/L		88	39 - 110
4-Chloroaniline	20.0	14.8		ug/L		74	10 - 110
4-Chlorophenyl phenyl ether	20.0	16.6		ug/L		83	50 - 115
4-Nitroaniline	20.0	16.9		ug/L		85	45 - 120
4-Nitrophenol	20.0	16.7		ug/L		83	12 - 130
Acenaphthene	20.0	16.2		ug/L		81	40 - 110
Acenaphthylene	20.0	16.7		ug/L		84	43 - 110
Acetophenone	20.0	16.1		ug/L		80	50 - 130
Anthracene	20.0	17.1		ug/L		86	54 - 114
Atrazine	20.0	20.6		ug/L		103	50 - 130
Benzaldehyde	20.0	17.3		ug/L		86	10 - 130
Benzo[a]anthracene	20.0	16.4		ug/L		82	55 - 115
Benzo[a]pyrene	20.0	15.5		ug/L		78	43 - 116
Benzo[b]fluoranthene	20.0	17.6		ug/L		88	43 - 122
Benzo[g,h,i]perylene	20.0	17.5		ug/L		88	45 - 120
Benzo[k]fluoranthene	20.0	16.4		ug/L		82	43 - 124
Bis(2-chloroethoxy)methane	20.0	17.0		ug/L		85	39 - 110
Bis(2-chloroethyl)ether	20.0	16.6		ug/L		83	34 - 113
Bis(2-ethylhexyl) phthalate	20.0	14.7		ug/L		73	36 - 163
Butyl benzyl phthalate	20.0	17.4		ug/L		87	53 - 126
Caprolactam	20.0	16.8		ug/L		84	50 - 130
Carbazole	20.0	16.6		ug/L		83	53 - 120
Chrysene	20.0	17.1		ug/L		86	55 - 115
Dibenz(a,h)anthracene	20.0	15.5		ug/L		77	46 - 122
Dibenzofuran	20.0	16.1		ug/L		81	46 - 111
Diethyl phthalate	20.0	17.3		ug/L		87	33 - 134
Dimethyl phthalate	20.0	17.0		ug/L		85	15 - 143
Di-n-butyl phthalate	20.0	18.6		ug/L		93	55 - 122
Di-n-octyl phthalate	20.0	14.1		ug/L		70	44 - 128
Fluoranthene	20.0	17.7		ug/L		88	54 - 122
Fluorene	20.0	16.9		ug/L		85	47 - 112
Hexachlorobenzene	20.0	15.8		ug/L		79	51 - 112
Hexachlorobutadiene	20.0	15.4		ug/L		77	13 - 110
Hexachlorocyclopentadiene	20.0	12.3		ug/L		62	10 - 110
Hexachloroethane	20.0	14.6		ug/L		73	12 - 110
Indeno[1,2,3-cd]pyrene	20.0	16.9		ug/L		85	46 - 121
Isophorone	20.0	17.2		ug/L		86	44 - 128
Naphthalene	20.0	16.4		ug/L		82	31 - 110
Nitrobenzene	20.0	17.2		ug/L		86	37 - 115

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

Lab Sample ID: LCS 240-27299/20-A
Matrix: Water
Analysis Batch: 27553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27299

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodi-n-propylamine	20.0	16.4		ug/L		82	37 - 121
N-Nitrosodiphenylamine	20.0	16.0		ug/L		80	53 - 113
Pentachlorophenol	20.0	10.6		ug/L		53	26 - 110
Phenol	20.0	16.0		ug/L		80	14 - 112
Phenanthrene	20.0	16.5		ug/L		83	52 - 114
Pyrene	20.0	17.1		ug/L		85	55 - 120
3 & 4 Methylphenol	40.0	31.6		ug/L		79	32 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*82*		*28 - 110*
2-Fluorophenol (Surr)	*80*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*82*		*22 - 120*
Nitrobenzene-d5 (Surr)	*91*		*27 - 111*
Phenol-d5 (Surr)	*83*		*10 - 110*
Terphenyl-d14 (Surr)	*95*		*37 - 119*

Lab Sample ID: MB 240-27668/23-A
Matrix: Water
Analysis Batch: 28384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
bis (2-chloroisopropyl) ether	1.0	U	1.0	0.40	ug/L		12/21/11 08:56	12/28/11 13:44	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.30	ug/L		12/21/11 08:56	12/28/11 13:44	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
2,4-Dichlorophenol	2.0	U	2.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
2,4-Dimethylphenol	2.0	U	2.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
2,4-Dinitrophenol	5.0	U	5.0	2.4	ug/L		12/21/11 08:56	12/28/11 13:44	1
2,4-Dinitrotoluene	5.0	U	5.0	0.27	ug/L		12/21/11 08:56	12/28/11 13:44	1
2,6-Dinitrotoluene	5.0	U	5.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
2-Chloronaphthalene	1.0	U	1.0	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
2-Chlorophenol	1.0	U	1.0	0.29	ug/L		12/21/11 08:56	12/28/11 13:44	1
2-Methylnaphthalene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
2-Methylphenol	1.0	U	1.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
2-Nitroaniline	2.0	U	2.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
2-Nitrophenol	2.0	U	2.0	0.28	ug/L		12/21/11 08:56	12/28/11 13:44	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.37	ug/L		12/21/11 08:56	12/28/11 13:44	1
3-Nitroaniline	2.0	U	2.0	0.28	ug/L		12/21/11 08:56	12/28/11 13:44	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	2.4	ug/L		12/21/11 08:56	12/28/11 13:44	1
4-Bromophenyl phenyl ether	2.0	U	2.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
4-Chloro-3-methylphenol	2.0	U	2.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
4-Chloroaniline	2.0	U	2.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
4-Chlorophenyl phenyl ether	2.0	U	2.0	0.30	ug/L		12/21/11 08:56	12/28/11 13:44	1
4-Nitroaniline	2.0	U	2.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
4-Nitrophenol	5.0	U	5.0	2.4	ug/L		12/21/11 08:56	12/28/11 13:44	1
Acenaphthene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Acenaphthylene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Acetophenone	1.0	U	1.0	0.34	ug/L		12/21/11 08:56	12/28/11 13:44	1
Anthracene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1

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

Lab Sample ID: MB 240-27668/23-A
Matrix: Water
Analysis Batch: 28384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	1.0	U	1.0	0.34	ug/L		12/21/11 08:56	12/28/11 13:44	1
Benzaldehyde	1.0	U	1.0	0.39	ug/L		12/21/11 08:56	12/28/11 13:44	1
Benzo[a]anthracene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Benzo[a]pyrene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Benzo[b]fluoranthene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Benzo[g,h,i]perylene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Benzo[k]fluoranthene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.32	ug/L		12/21/11 08:56	12/28/11 13:44	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
Butyl benzyl phthalate	1.0	U	1.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
Caprolactam	5.0	U	5.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
Carbazole	1.0	U	1.0	0.28	ug/L		12/21/11 08:56	12/28/11 13:44	1
Chrysene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Dibenz(a,h)anthracene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Dibenzofuran	1.0	U	1.0	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Diethyl phthalate	1.0	U	1.0	0.60	ug/L		12/21/11 08:56	12/28/11 13:44	1
Dimethyl phthalate	1.0	U	1.0	0.29	ug/L		12/21/11 08:56	12/28/11 13:44	1
Di-n-butyl phthalate	1.0	U	1.0	0.67	ug/L		12/21/11 08:56	12/28/11 13:44	1
Di-n-octyl phthalate	1.0	U	1.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
Fluoranthene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Fluorene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Hexachlorobenzene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Hexachlorobutadiene	1.0	U	1.0	0.27	ug/L		12/21/11 08:56	12/28/11 13:44	1
Hexachlorocyclopentadiene	10	U	10	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
Hexachloroethane	1.0	U	1.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Isophorone	1.0	U	1.0	0.27	ug/L		12/21/11 08:56	12/28/11 13:44	1
Naphthalene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Nitrobenzene	1.0	U	1.0	0.040	ug/L		12/21/11 08:56	12/28/11 13:44	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.80	ug/L		12/21/11 08:56	12/28/11 13:44	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.31	ug/L		12/21/11 08:56	12/28/11 13:44	1
Pentachlorophenol	5.0	U	5.0	2.4	ug/L		12/21/11 08:56	12/28/11 13:44	1
Phenol	1.0	U	1.0	0.60	ug/L		12/21/11 08:56	12/28/11 13:44	1
Phenanthrene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
Pyrene	0.20	U	0.20	0.10	ug/L		12/21/11 08:56	12/28/11 13:44	1
3 & 4 Methylphenol	2.0	U	2.0	0.75	ug/L		12/21/11 08:56	12/28/11 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*28 - 110*	*12/21/11 08:56*	*12/28/11 13:44*	*1*
2-Fluorophenol (Surr)	*77*		*10 - 110*	*12/21/11 08:56*	*12/28/11 13:44*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*22 - 120*	*12/21/11 08:56*	*12/28/11 13:44*	*1*
Nitrobenzene-d5 (Surr)	*78*		*27 - 111*	*12/21/11 08:56*	*12/28/11 13:44*	*1*
Phenol-d5 (Surr)	*81*		*10 - 110*	*12/21/11 08:56*	*12/28/11 13:44*	*1*
Terphenyl-d14 (Surr)	*89*		*37 - 119*	*12/21/11 08:56*	*12/28/11 13:44*	*1*

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

Lab Sample ID: LCS 240-27668/24-A
Matrix: Water
Analysis Batch: 28384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	15.0		ug/L		75	50 - 130
bis (2-chloroisopropyl) ether	20.0	16.0		ug/L		80	25 - 128
2,4,5-Trichlorophenol	20.0	16.3		ug/L		81	39 - 110
2,4,6-Trichlorophenol	20.0	15.2		ug/L		76	35 - 110
2,4-Dichlorophenol	20.0	16.2		ug/L		81	33 - 110
2,4-Dimethylphenol	20.0	12.0		ug/L		60	12 - 110
2,4-Dinitrophenol	20.0	12.2		ug/L		61	17 - 112
2,4-Dinitrotoluene	20.0	16.8		ug/L		84	52 - 123
2,6-Dinitrotoluene	20.0	17.0		ug/L		85	52 - 119
2-Chloronaphthalene	20.0	15.4		ug/L		77	39 - 110
2-Chlorophenol	20.0	15.9		ug/L		80	27 - 110
2-Methylnaphthalene	20.0	15.7		ug/L		79	35 - 110
2-Methylphenol	20.0	15.0		ug/L		75	30 - 110
2-Nitroaniline	20.0	15.3		ug/L		77	43 - 130
2-Nitrophenol	20.0	15.5		ug/L		78	29 - 110
3,3'-Dichlorobenzidine	20.0	9.80		ug/L		49	19 - 110
3-Nitroaniline	20.0	14.5		ug/L		72	45 - 116
4,6-Dinitro-2-methylphenol	20.0	13.5		ug/L		68	28 - 112
4-Bromophenyl phenyl ether	20.0	15.1		ug/L		76	51 - 114
4-Chloro-3-methylphenol	20.0	16.3		ug/L		81	39 - 110
4-Chloroaniline	20.0	12.7		ug/L		63	10 - 110
4-Chlorophenyl phenyl ether	20.0	15.8		ug/L		79	50 - 115
4-Nitroaniline	20.0	14.6		ug/L		73	45 - 120
4-Nitrophenol	20.0	17.7		ug/L		89	12 - 130
Acenaphthene	20.0	15.5		ug/L		77	40 - 110
Acenaphthylene	20.0	15.3		ug/L		77	43 - 110
Acetophenone	20.0	16.5		ug/L		83	50 - 130
Anthracene	20.0	15.4		ug/L		77	54 - 114
Atrazine	20.0	18.1		ug/L		91	50 - 130
Benzaldehyde	20.0	20.8		ug/L		104	10 - 130
Benzo[a]anthracene	20.0	15.2		ug/L		76	55 - 115
Benzo[a]pyrene	20.0	13.4		ug/L		67	43 - 116
Benzo[b]fluoranthene	20.0	14.5		ug/L		73	43 - 122
Benzo[g,h,i]perylene	20.0	16.0		ug/L		80	45 - 120
Benzo[k]fluoranthene	20.0	16.2		ug/L		81	43 - 124
Bis(2-chloroethoxy)methane	20.0	15.7		ug/L		79	39 - 110
Bis(2-chloroethyl)ether	20.0	15.9		ug/L		80	34 - 113
Bis(2-ethylhexyl) phthalate	20.0	15.4		ug/L		77	36 - 163
Butyl benzyl phthalate	20.0	16.5		ug/L		83	53 - 126
Caprolactam	20.0	15.1		ug/L		75	50 - 130
Carbazole	20.0	15.3		ug/L		77	53 - 120
Chrysene	20.0	16.0		ug/L		80	55 - 115
Dibenz(a,h)anthracene	20.0	14.8		ug/L		74	46 - 122
Dibenzofuran	20.0	15.7		ug/L		79	46 - 111
Diethyl phthalate	20.0	16.0		ug/L		80	33 - 134
Dimethyl phthalate	20.0	16.1		ug/L		81	15 - 143
Di-n-butyl phthalate	20.0	16.0		ug/L		80	55 - 122
Di-n-octyl phthalate	20.0	11.8		ug/L		59	44 - 128
Fluoranthene	20.0	15.9		ug/L		80	54 - 122

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

Lab Sample ID: LCS 240-27668/24-A
Matrix: Water
Analysis Batch: 28384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	20.0	15.7		ug/L		79	47 - 112
Hexachlorobenzene	20.0	15.4		ug/L		77	51 - 112
Hexachlorobutadiene	20.0	15.0		ug/L		75	13 - 110
Hexachlorocyclopentadiene	20.0	7.12	J	ug/L		36	10 - 110
Hexachloroethane	20.0	14.8		ug/L		74	12 - 110
Indeno[1,2,3-cd]pyrene	20.0	15.3		ug/L		76	46 - 121
Isophorone	20.0	15.9		ug/L		79	44 - 128
Naphthalene	20.0	15.8		ug/L		79	31 - 110
Nitrobenzene	20.0	15.9		ug/L		79	37 - 115
N-Nitrosodi-n-propylamine	20.0	16.0		ug/L		80	37 - 121
N-Nitrosodiphenylamine	20.0	13.9		ug/L		70	53 - 113
Pentachlorophenol	20.0	12.7		ug/L		63	26 - 110
Phenol	20.0	16.4		ug/L		82	14 - 112
Phenanthrene	20.0	15.4		ug/L		77	52 - 114
Pyrene	20.0	15.3		ug/L		77	55 - 120
3 & 4 Methylphenol	40.0	32.8		ug/L		82	32 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*28 - 110*
2-Fluorophenol (Surr)	*79*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*79*		*22 - 120*
Nitrobenzene-d5 (Surr)	*82*		*27 - 111*
Phenol-d5 (Surr)	*83*		*10 - 110*
Terphenyl-d14 (Surr)	*85*		*37 - 119*

Lab Sample ID: 240-6918-23 MS
Matrix: Water
Analysis Batch: 28140

Client Sample ID: WG-121411-DF-023
Prep Type: Total/NA
Prep Batch: 27668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	1.0	U	19.4	10.8		ug/L		56	50 - 130
bis (2-chloroisopropyl) ether	1.0	U	19.4	11.1		ug/L		57	25 - 128
2,4,5-Trichlorophenol	5.2	U	19.4	13.1		ug/L		67	36 - 110
2,4,6-Trichlorophenol	5.2	U	19.4	12.2		ug/L		63	34 - 110
2,4-Dichlorophenol	2.1	U	19.4	12.0		ug/L		62	30 - 110
2,4-Dimethylphenol	2.1	U	19.4	11.1		ug/L		57	11 - 110
2,4-Dinitrophenol	5.2	U	19.4	12.7		ug/L		65	11 - 119
2,4-Dinitrotoluene	5.2	U	19.4	13.7		ug/L		70	46 - 119
2,6-Dinitrotoluene	5.2	U	19.4	13.7		ug/L		70	48 - 115
2-Chloronaphthalene	1.0	U	19.4	11.3		ug/L		58	34 - 110
2-Chlorophenol	1.0	U	19.4	11.4		ug/L		59	26 - 110
2-Methylnaphthalene	0.21	U	19.4	11.8		ug/L		61	35 - 110
2-Methylphenol	1.0	U	19.4	11.4		ug/L		59	26 - 110
2-Nitroaniline	2.1	U	19.4	11.9		ug/L		61	31 - 129
2-Nitrophenol	2.1	U	19.4	11.4		ug/L		58	30 - 110
3,3'-Dichlorobenzidine	5.2	U	19.4	4.9	U F	ug/L		0	10 - 110
3-Nitroaniline	2.1	U	19.4	7.09		ug/L		36	23 - 112
4,6-Dinitro-2-methylphenol	5.2	U	19.4	12.3		ug/L		63	25 - 110
4-Bromophenyl phenyl ether	2.1	U	19.4	12.1		ug/L		62	42 - 113

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

Lab Sample ID: 240-6918-23 MS
Matrix: Water
Analysis Batch: 28140

Client Sample ID: WG-121411-DF-023
Prep Type: Total/NA
Prep Batch: 27668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	2.1	U	19.4	13.4		ug/L		69	33 - 110
4-Chloroaniline	2.1	U	19.4	6.45		ug/L		33	10 - 110
4-Chlorophenyl phenyl ether	2.1	U	19.4	12.5		ug/L		64	43 - 113
4-Nitroaniline	2.1	U	19.4	7.20		ug/L		37	26 - 115
4-Nitrophenol	5.2	U	19.4	14.6		ug/L		75	13 - 127
Acenaphthene	0.21	U	19.4	11.7		ug/L		60	36 - 110
Acenaphthylene	0.21	U	19.4	11.6		ug/L		60	39 - 110
Acetophenone	1.0	U	19.4	12.1		ug/L		62	50 - 130
Anthracene	0.21	U	19.4	11.4		ug/L		59	46 - 110
Atrazine	1.0	U	19.4	12.6		ug/L		65	50 - 130
Benzaldehyde	1.0	U	19.4	12.2		ug/L		63	10 - 130
Benzo[a]anthracene	0.21	U	19.4	11.2		ug/L		58	52 - 110
Benzo[a]pyrene	0.21	U	19.4	8.66		ug/L		45	33 - 110
Benzo[b]fluoranthene	0.21	U	19.4	9.94		ug/L		51	33 - 114
Benzo[g,h,i]perylene	0.21	U	19.4	10.2		ug/L		52	34 - 116
Benzo[k]fluoranthene	0.21	U	19.4	10.3		ug/L		53	32 - 121
Bis(2-chloroethoxy)methane	1.0	U	19.4	11.4		ug/L		59	35 - 110
Bis(2-chloroethyl)ether	1.0	U	19.4	11.8		ug/L		61	27 - 110
Bis(2-ethylhexyl) phthalate	2.1	U	19.4	9.20		ug/L		47	40 - 140
Butyl benzyl phthalate	1.0	U	19.4	12.9		ug/L		66	51 - 121
Caprolactam	5.2	U	19.4	14.4		ug/L		74	50 - 130
Carbazole	1.0	U	19.4	12.0		ug/L		62	49 - 114
Chrysene	0.21	U	19.4	11.7		ug/L		60	52 - 111
Dibenz(a,h)anthracene	0.21	U	19.4	9.79		ug/L		50	35 - 118
Dibenzofuran	1.0	U	19.4	12.1		ug/L		62	41 - 110
Diethyl phthalate	1.0	U	19.4	13.1		ug/L		68	33 - 130
Dimethyl phthalate	1.0	U	19.4	12.8		ug/L		66	36 - 124
Di-n-butyl phthalate	1.0	U	19.4	12.9		ug/L		66	50 - 117
Di-n-octyl phthalate	1.0	U	19.4	8.70		ug/L		45	36 - 124
Fluoranthene	0.21	U	19.4	13.0		ug/L		67	53 - 111
Fluorene	0.21	U	19.4	12.5		ug/L		64	43 - 110
Hexachlorobenzene	0.21	U	19.4	12.0		ug/L		62	40 - 113
Hexachlorobutadiene	1.0	U	19.4	10.4		ug/L		54	14 - 110
Hexachlorocyclopentadiene	10	U	19.4	6.66	J	ug/L		34	10 - 110
Hexachloroethane	1.0	U	19.4	10.6		ug/L		54	10 - 110
Indeno[1,2,3-cd]pyrene	0.21	U	19.4	9.84		ug/L		51	36 - 116
Isophorone	1.0	U	19.4	12.4		ug/L		64	34 - 125
Naphthalene	0.21	U	19.4	11.1		ug/L		57	32 - 110
Nitrobenzene	1.0	U	19.4	11.1		ug/L		57	26 - 118
N-Nitrosodi-n-propylamine	1.0	U	19.4	12.0		ug/L		62	25 - 119
N-Nitrosodiphenylamine	1.0	U	19.4	9.65		ug/L		50	28 - 118
Pentachlorophenol	5.2	U	19.4	15.4		ug/L		79	23 - 110
Phenol	1.0	U	19.4	12.0		ug/L		62	16 - 110
Phenanthrene	0.21	U	19.4	12.5		ug/L		64	47 - 110
Pyrene	0.21	U	19.4	12.4		ug/L		64	54 - 115
3 & 4 Methylphenol	2.1	U	38.8	25.2		ug/L		65	25 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*57*		*28 - 110*

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

Lab Sample ID: 240-6918-23 MS
Matrix: Water
Analysis Batch: 28140

Client Sample ID: WG-121411-DF-023
Prep Type: Total/NA
Prep Batch: 27668

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol (Surr)	59		10 - 110
2,4,6-Tribromophenol (Surr)	71		22 - 120
Nitrobenzene-d5 (Surr)	59		27 - 111
Phenol-d5 (Surr)	62		10 - 110
Terphenyl-d14 (Surr)	63		37 - 119

Lab Sample ID: 240-6918-23 MSD
Matrix: Water
Analysis Batch: 28140

Client Sample ID: WG-121411-DF-023
Prep Type: Total/NA
Prep Batch: 27668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	1.0	U	20.6	11.2		ug/L		54	50 - 130	3	30
bis (2-chloroisopropyl) ether	1.0	U	20.6	11.5		ug/L		56	25 - 128	3	30
2,4,5-Trichlorophenol	5.2	U	20.6	13.3		ug/L		65	36 - 110	2	30
2,4,6-Trichlorophenol	5.2	U	20.6	12.4		ug/L		60	34 - 110	2	30
2,4-Dichlorophenol	2.1	U	20.6	12.2		ug/L		59	30 - 110	2	30
2,4-Dimethylphenol	2.1	U	20.6	10.5		ug/L		51	11 - 110	5	30
2,4-Dinitrophenol	5.2	U	20.6	12.5		ug/L		61	11 - 119	1	30
2,4-Dinitrotoluene	5.2	U	20.6	13.7		ug/L		66	46 - 119	0	30
2,6-Dinitrotoluene	5.2	U	20.6	13.4		ug/L		65	48 - 115	2	30
2-Chloronaphthalene	1.0	U	20.6	11.5		ug/L		56	34 - 110	2	30
2-Chlorophenol	1.0	U	20.6	11.5		ug/L		56	26 - 110	1	30
2-Methylnaphthalene	0.21	U	20.6	12.0		ug/L		58	35 - 110	2	30
2-Methylphenol	1.0	U	20.6	11.2		ug/L		54	26 - 110	1	30
2-Nitroaniline	2.1	U	20.6	11.8		ug/L		57	31 - 129	1	30
2-Nitrophenol	2.1	U	20.6	11.6		ug/L		56	30 - 110	2	30
3,3'-Dichlorobenzidine	5.2	U	20.6	5.2	U F	ug/L		0	10 - 110	NC	30
3-Nitroaniline	2.1	U	20.6	7.13		ug/L		35	23 - 112	1	30
4,6-Dinitro-2-methylphenol	5.2	U	20.6	12.4		ug/L		60	25 - 110	1	30
4-Bromophenyl phenyl ether	2.1	U	20.6	12.2		ug/L		59	42 - 113	1	30
4-Chloro-3-methylphenol	2.1	U	20.6	13.1		ug/L		64	33 - 110	2	30
4-Chloroaniline	2.1	U	20.6	6.45		ug/L		31	10 - 110	0	30
4-Chlorophenyl phenyl ether	2.1	U	20.6	12.4		ug/L		60	43 - 113	1	30
4-Nitroaniline	2.1	U	20.6	7.42		ug/L		36	26 - 115	3	30
4-Nitrophenol	5.2	U	20.6	13.6		ug/L		66	13 - 127	7	30
Acenaphthene	0.21	U	20.6	11.7		ug/L		57	36 - 110	0	30
Acenaphthylene	0.21	U	20.6	11.7		ug/L		57	39 - 110	1	30
Acetophenone	1.0	U	20.6	11.9		ug/L		58	50 - 130	1	30
Anthracene	0.21	U	20.6	11.4		ug/L		55	46 - 110	0	30
Atrazine	1.0	U	20.6	12.9		ug/L		63	50 - 130	3	30
Benzaldehyde	1.0	U	20.6	12.5		ug/L		61	10 - 130	3	30
Benzo[a]anthracene	0.21	U	20.6	12.0		ug/L		58	52 - 110	7	30
Benzo[a]pyrene	0.21	U	20.6	10.3		ug/L		50	33 - 110	17	30
Benzo[b]fluoranthene	0.21	U	20.6	11.1		ug/L		54	33 - 114	11	30
Benzo[g,h,i]perylene	0.21	U	20.6	12.4		ug/L		60	34 - 116	20	30
Benzo[k]fluoranthene	0.21	U	20.6	12.7		ug/L		62	32 - 121	21	30
Bis(2-chloroethoxy)methane	1.0	U	20.6	11.6		ug/L		56	35 - 110	2	30
Bis(2-chloroethyl)ether	1.0	U	20.6	11.9		ug/L		58	27 - 110	0	30
Bis(2-ethylhexyl) phthalate	2.1	U	20.6	11.9		ug/L		58	40 - 140	25	30

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

Lab Sample ID: 240-6918-23 MSD
Matrix: Water
Analysis Batch: 28140

Client Sample ID: WG-121411-DF-023
Prep Type: Total/NA
Prep Batch: 27668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	1.0	U	20.6	13.5		ug/L		65	51 - 121	4	30
Caprolactam	5.2	U	20.6	13.8		ug/L		67	50 - 130	5	30
Carbazole	1.0	U	20.6	11.8		ug/L		57	49 - 114	2	30
Chrysene	0.21	U	20.6	12.9		ug/L		63	52 - 111	10	30
Dibenz(a,h)anthracene	0.21	U	20.6	11.8		ug/L		57	35 - 118	18	30
Dibenzofuran	1.0	U	20.6	12.3		ug/L		59	41 - 110	2	30
Diethyl phthalate	1.0	U	20.6	13.2		ug/L		64	33 - 130	1	30
Dimethyl phthalate	1.0	U	20.6	12.8		ug/L		62	36 - 124	0	30
Di-n-butyl phthalate	1.0	U	20.6	13.0		ug/L		63	50 - 117	1	30
Di-n-octyl phthalate	1.0	U	20.6	10.6		ug/L		52	36 - 124	20	30
Fluoranthene	0.21	U	20.6	12.9		ug/L		63	53 - 111	1	30
Fluorene	0.21	U	20.6	12.3		ug/L		60	43 - 110	1	30
Hexachlorobenzene	0.21	U	20.6	12.2		ug/L		59	40 - 113	1	30
Hexachlorobutadiene	1.0	U	20.6	10.6		ug/L		51	14 - 110	1	30
Hexachlorocyclopentadiene	10	U	20.6	6.97	J	ug/L		34	10 - 110	5	30
Hexachloroethane	1.0	U	20.6	10.4		ug/L		50	10 - 110	2	30
Indeno[1,2,3-cd]pyrene	0.21	U	20.6	12.1		ug/L		59	36 - 116	21	30
Isophorone	1.0	U	20.6	12.6		ug/L		61	34 - 125	2	30
Naphthalene	0.21	U	20.6	11.4		ug/L		55	32 - 110	3	30
Nitrobenzene	1.0	U	20.6	11.3		ug/L		55	26 - 118	2	30
N-Nitrosodi-n-propylamine	1.0	U	20.6	11.9		ug/L		58	25 - 119	0	30
N-Nitrosodiphenylamine	1.0	U	20.6	8.43		ug/L		41	28 - 118	13	30
Pentachlorophenol	5.2	U	20.6	15.1		ug/L		73	23 - 110	2	30
Phenol	1.0	U	20.6	11.9		ug/L		58	16 - 110	1	30
Phenanthrene	0.21	U	20.6	12.2		ug/L		59	47 - 110	2	30
Pyrene	0.21	U	20.6	12.3		ug/L		60	54 - 115	0	30
3 & 4 Methylphenol	2.1	U	41.2	24.3		ug/L		59	25 - 110	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*54*		*28 - 110*
2-Fluorophenol (Surr)	*55*		*10 - 110*
2,4,6-Tribromophenol (Surr)	*66*		*22 - 120*
Nitrobenzene-d5 (Surr)	*57*		*27 - 111*
Phenol-d5 (Surr)	*58*		*10 - 110*
Terphenyl-d14 (Surr)	*65*		*37 - 119*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 240-27337/6
Matrix: Water
Analysis Batch: 27337

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	48.6	J	100	25	ug/L			12/19/11 12:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*70*		*10 - 150*		*12/19/11 12:01*	*1*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 240-27337/7
Matrix: Water
Analysis Batch: 27337

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	800	809		ug/L		101	72 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*77*		*10 - 150*

Lab Sample ID: 240-6918-23 MS
Matrix: Water
Analysis Batch: 27337

Client Sample ID: WG-121411-DF-023
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	120	B	800	830		ug/L		89	63 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*71*		*10 - 150*

Lab Sample ID: 240-6918-23 MSD
Matrix: Water
Analysis Batch: 27337

Client Sample ID: WG-121411-DF-023
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	120	B	800	756		ug/L		80	63 - 143	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*73*		*10 - 150*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-27161/11-A
Matrix: Water
Analysis Batch: 27324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	500	U	500	240	ug/L		12/16/11 08:46	12/19/11 14:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*75*		*10 - 110*	*12/16/11 08:46*	*12/19/11 14:31*	*1*

Lab Sample ID: LCS 240-27161/12-A
Matrix: Water
Analysis Batch: 27324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel	2500	2420		ug/L		97	36 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Nonane	*76*		*10 - 110*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 240-6918-23 MS — **Client Sample ID: WG-121411-DF-023**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 27324 — **Prep Batch: 27161**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel	590		2550	2740		ug/L		84	10 - 199

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Nonane	*68*		*10 - 110*

Lab Sample ID: 240-6918-23 MSD — **Client Sample ID: WG-121411-DF-023**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 27324 — **Prep Batch: 27161**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel	590		2630	3130		ug/L		96	10 - 199	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Nonane	*69*		*10 - 110*

GC/MS VOA

Analysis Batch: 27613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-1	WG-121211-DF-001	Total/NA	Water	8260B	
240-6918-2	WG-121211-DF-003	Total/NA	Water	8260B	
240-6918-3	WG-121211-DF-005	Total/NA	Water	8260B	
240-6918-4	WG-121211-DF-007	Total/NA	Water	8260B	
240-6918-5	WG-121211-DF-009	Total/NA	Water	8260B	
240-6918-6	WG-121211-DF-010	Total/NA	Water	8260B	
240-6918-7	WG-121211-KH-002	Total/NA	Water	8260B	
240-6918-8	WG-121211-KH-004	Total/NA	Water	8260B	
240-6918-9	WG-121211-KH-006	Total/NA	Water	8260B	
240-6918-10	WG-121211-KH-008	Total/NA	Water	8260B	
240-6918-11	WG-121311-DF-011	Total/NA	Water	8260B	
240-6918-14	WG-121311-DF-018	Total/NA	Water	8260B	
240-6918-14 MS	WG-121311-DF-018	Total/NA	Water	8260B	
240-6918-14 MSD	WG-121311-DF-018	Total/NA	Water	8260B	
240-6918-15	WG-121311-DF-020	Total/NA	Water	8260B	
240-6918-16	WG-121311-KH-012	Total/NA	Water	8260B	
240-6918-17	WG-121311-KH-015	Total/NA	Water	8260B	
240-6918-18	WG-121311-KH-016	Total/NA	Water	8260B	
240-6918-19	WG-121311-KH-017	Total/NA	Water	8260B	
240-6918-20	WG-121311-KH-019	Total/NA	Water	8260B	
240-6918-21	WG-121311-KH-021	Total/NA	Water	8260B	
240-6918-22	WG-121311-KH-022	Total/NA	Water	8260B	
LCS 240-27613/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-27613/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 27689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-23	WG-121411-DF-023	Total/NA	Water	8260B	
240-6918-23 MS	WG-121411-DF-023	Total/NA	Water	8260B	
240-6918-23 MSD	WG-121411-DF-023	Total/NA	Water	8260B	
LCS 240-27689/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-27689/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 27765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-12	WG-121311-DF-013	Total/NA	Water	8260B	
240-6918-13	WG-121311-DF-014	Total/NA	Water	8260B	
240-6918-24	WG-121411-DF-025	Total/NA	Water	8260B	
240-6918-25	WG-121411-DF-027	Total/NA	Water	8260B	
240-6918-26	WG-121411-DF-028	Total/NA	Water	8260B	
240-6918-27	WG-121411-KH-024	Total/NA	Water	8260B	
240-6918-28	WG-121411-KH-026	Total/NA	Water	8260B	
240-6918-29	WG-121411-KH-029	Total/NA	Water	8260B	
240-6918-30	WG-121411-KH-030	Total/NA	Water	8260B	
240-6918-31	WG-121411-KH-031	Total/NA	Water	8260B	
240-6918-32	TB-121411-KH-032	Total/NA	Water	8260B	
LCS 240-27765/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-27765/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 28111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7036-1	WG-121511-KH-033	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 28111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7036-2	WG-121511-KH-034	Total/NA	Water	8260B	
240-7036-3	WG-121511-KH-035	Total/NA	Water	8260B	
240-7036-4	TB-121511-KH-036	Total/NA	WQ	8260B	
LCS 240-28111/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-28111/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 27141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-2	WG-121211-DF-003	Total/NA	Water	3520C	
240-6918-7	WG-121211-KH-002	Total/NA	Water	3520C	
LCS 240-27141/22-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-27141/21-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 27299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-12	WG-121311-DF-013	Total/NA	Water	3520C	
240-6918-13	WG-121311-DF-014	Total/NA	Water	3520C	
240-6918-15	WG-121311-DF-020	Total/NA	Water	3520C	
LCS 240-27299/20-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-27299/19-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 27536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-2	WG-121211-DF-003	Total/NA	Water	8270C	27141
240-6918-7	WG-121211-KH-002	Total/NA	Water	8270C	27141
MB 240-27141/21-A	Method Blank	Total/NA	Water	8270C	27141

Analysis Batch: 27553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-12	WG-121311-DF-013	Total/NA	Water	8270C	27299
240-6918-13	WG-121311-DF-014	Total/NA	Water	8270C	27299
240-6918-15	WG-121311-DF-020	Total/NA	Water	8270C	27299
LCS 240-27299/20-A	Lab Control Sample	Total/NA	Water	8270C	27299
MB 240-27299/19-A	Method Blank	Total/NA	Water	8270C	27299

Analysis Batch: 27661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-27141/22-A	Lab Control Sample	Total/NA	Water	8270C	27141

Prep Batch: 27668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-23	WG-121411-DF-023	Total/NA	Water	3520C	
240-6918-23 MS	WG-121411-DF-023	Total/NA	Water	3520C	
240-6918-23 MSD	WG-121411-DF-023	Total/NA	Water	3520C	
240-6918-24	WG-121411-DF-025	Total/NA	Water	3520C	
240-6918-26	WG-121411-DF-028	Total/NA	Water	3520C	
LCS 240-27668/24-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-27668/23-A	Method Blank	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Analysis Batch: 28140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-23	WG-121411-DF-023	Total/NA	Water	8270C	27668
240-6918-23 MS	WG-121411-DF-023	Total/NA	Water	8270C	27668
240-6918-23 MSD	WG-121411-DF-023	Total/NA	Water	8270C	27668
240-6918-24	WG-121411-DF-025	Total/NA	Water	8270C	27668
240-6918-26	WG-121411-DF-028	Total/NA	Water	8270C	27668

Analysis Batch: 28384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-27668/24-A	Lab Control Sample	Total/NA	Water	8270C	27668
MB 240-27668/23-A	Method Blank	Total/NA	Water	8270C	27668

GC VOA

Analysis Batch: 27337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-2	WG-121211-DF-003	Total/NA	Water	8015B	
240-6918-7	WG-121211-KH-002	Total/NA	Water	8015B	
240-6918-12	WG-121311-DF-013	Total/NA	Water	8015B	
240-6918-13	WG-121311-DF-014	Total/NA	Water	8015B	
240-6918-15	WG-121311-DF-020	Total/NA	Water	8015B	
240-6918-23	WG-121411-DF-023	Total/NA	Water	8015B	
240-6918-23 MS	WG-121411-DF-023	Total/NA	Water	8015B	
240-6918-23 MSD	WG-121411-DF-023	Total/NA	Water	8015B	
240-6918-24	WG-121411-DF-025	Total/NA	Water	8015B	
240-6918-26	WG-121411-DF-028	Total/NA	Water	8015B	
LCS 240-27337/7	Lab Control Sample	Total/NA	Water	8015B	
MB 240-27337/6	Method Blank	Total/NA	Water	8015B	

GC Semi VOA

Prep Batch: 27161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-2	WG-121211-DF-003	Total/NA	Water	3510C	
240-6918-7	WG-121211-KH-002	Total/NA	Water	3510C	
240-6918-12	WG-121311-DF-013	Total/NA	Water	3510C	
240-6918-13	WG-121311-DF-014	Total/NA	Water	3510C	
240-6918-15	WG-121311-DF-020	Total/NA	Water	3510C	
240-6918-23	WG-121411-DF-023	Total/NA	Water	3510C	
240-6918-23 MS	WG-121411-DF-023	Total/NA	Water	3510C	
240-6918-23 MSD	WG-121411-DF-023	Total/NA	Water	3510C	
240-6918-24	WG-121411-DF-025	Total/NA	Water	3510C	
240-6918-26	WG-121411-DF-028	Total/NA	Water	3510C	
LCS 240-27161/12-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-27161/11-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 27324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-2	WG-121211-DF-003	Total/NA	Water	8015B	27161
240-6918-7	WG-121211-KH-002	Total/NA	Water	8015B	27161
240-6918-12	WG-121311-DF-013	Total/NA	Water	8015B	27161
240-6918-13	WG-121311-DF-014	Total/NA	Water	8015B	27161
240-6918-15	WG-121311-DF-020	Total/NA	Water	8015B	27161

GC Semi VOA (Continued)

Analysis Batch: 27324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-6918-23	WG-121411-DF-023	Total/NA	Water	8015B	27161
240-6918-23 MS	WG-121411-DF-023	Total/NA	Water	8015B	27161
240-6918-23 MSD	WG-121411-DF-023	Total/NA	Water	8015B	27161
240-6918-24	WG-121411-DF-025	Total/NA	Water	8015B	27161
240-6918-26	WG-121411-DF-028	Total/NA	Water	8015B	27161
LCS 240-27161/12-A	Lab Control Sample	Total/NA	Water	8015B	27161
MB 240-27161/11-A	Method Blank	Total/NA	Water	8015B	27161

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121211-DF-001

Lab Sample ID: 240-6918-1
Matrix: Water

Date Collected: 12/12/11 10:20
Date Received: 12/15/11 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 00:07	LW	TAL NC

Client Sample ID: WG-121211-DF-003

Lab Sample ID: 240-6918-2
Matrix: Water

Date Collected: 12/12/11 12:10
Date Received: 12/15/11 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 00:29	LW	TAL NC
Total/NA	Prep	3520C			27141	12/16/11 08:05	SE	TAL NC
Total/NA	Analysis	8270C		1	27536	12/20/11 18:58	JG	TAL NC
Total/NA	Analysis	8015B		1	27337	12/19/11 14:19	DB	TAL NC
Total/NA	Prep	3510C			27161	12/16/11 08:46	SE	TAL NC
Total/NA	Analysis	8015B		1	27324	12/19/11 10:30	SG	TAL NC

12

Client Sample ID: WG-121211-DF-005

Lab Sample ID: 240-6918-3
Matrix: Water

Date Collected: 12/12/11 13:30
Date Received: 12/15/11 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 00:52	LW	TAL NC

Client Sample ID: WG-121211-DF-007

Lab Sample ID: 240-6918-4
Matrix: Water

Date Collected: 12/12/11 14:30
Date Received: 12/15/11 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 01:14	LW	TAL NC

Client Sample ID: WG-121211-DF-009

Lab Sample ID: 240-6918-5
Matrix: Water

Date Collected: 12/12/11 16:25
Date Received: 12/15/11 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 01:37	LW	TAL NC

Client Sample ID: WG-121211-DF-010

Lab Sample ID: 240-6918-6
Matrix: Water

Date Collected: 12/12/11 00:00
Date Received: 12/15/11 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 01:59	LW	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121211-KH-002

Lab Sample ID: 240-6918-7

Date Collected: 12/12/11 10:55
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 02:21	LW	TAL NC
Total/NA	Prep	3520C			27141	12/16/11 08:05	SE	TAL NC
Total/NA	Analysis	8270C		1	27536	12/20/11 19:17	JG	TAL NC
Total/NA	Analysis	8015B		1	27337	12/19/11 14:54	DB	TAL NC
Total/NA	Prep	3510C			27161	12/16/11 08:46	SE	TAL NC
Total/NA	Analysis	8015B		1	27324	12/19/11 10:54	SG	TAL NC

Client Sample ID: WG-121211-KH-004

Lab Sample ID: 240-6918-8

Date Collected: 12/12/11 13:44
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 02:44	LW	TAL NC

12

Client Sample ID: WG-121211-KH-006

Lab Sample ID: 240-6918-9

Date Collected: 12/12/11 15:18
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 03:07	LW	TAL NC

Client Sample ID: WG-121211-KH-008

Lab Sample ID: 240-6918-10

Date Collected: 12/12/11 16:18
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 03:29	LW	TAL NC

Client Sample ID: WG-121311-DF-011

Lab Sample ID: 240-6918-11

Date Collected: 12/13/11 08:50
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 03:51	LW	TAL NC

Client Sample ID: WG-121311-DF-013

Lab Sample ID: 240-6918-12

Date Collected: 12/13/11 10:45
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2000	27765	12/21/11 22:46	LW	TAL NC
Total/NA	Prep	3520C			27299	12/18/11 10:51	SE	TAL NC
Total/NA	Analysis	8270C		50	27553	12/20/11 22:42	JG	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121311-DF-013

Lab Sample ID: 240-6918-12

Date Collected: 12/13/11 10:45
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015B		500	27337	12/20/11 10:38	DB	TAL NC
Total/NA	Prep	3510C			27161	12/16/11 08:46	SE	TAL NC
Total/NA	Analysis	8015B		1	27324	12/19/11 11:19	SG	TAL NC

Client Sample ID: WG-121311-DF-014

Lab Sample ID: 240-6918-13

Date Collected: 12/13/11 00:00
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2000	27765	12/21/11 23:08	LW	TAL NC
Total/NA	Prep	3520C			27299	12/18/11 10:51	SE	TAL NC
Total/NA	Analysis	8270C		50	27553	12/20/11 23:00	JG	TAL NC
Total/NA	Analysis	8015B		500	27337	12/20/11 11:14	DB	TAL NC
Total/NA	Prep	3510C			27161	12/16/11 08:46	SE	TAL NC
Total/NA	Analysis	8015B		1	27324	12/19/11 11:43	SG	TAL NC

Client Sample ID: WG-121311-DF-018

Lab Sample ID: 240-6918-14

Date Collected: 12/13/11 13:30
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		6.67	27613	12/21/11 07:14	LW	TAL NC

Client Sample ID: WG-121311-DF-020

Lab Sample ID: 240-6918-15

Date Collected: 12/13/11 14:40
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 04:13	LW	TAL NC
Total/NA	Prep	3520C			27299	12/18/11 10:51	SE	TAL NC
Total/NA	Analysis	8270C		1	27553	12/20/11 17:41	JG	TAL NC
Total/NA	Analysis	8015B		1	27337	12/20/11 12:24	DB	TAL NC
Total/NA	Prep	3510C			27161	12/16/11 08:46	SE	TAL NC
Total/NA	Analysis	8015B		1	27324	12/19/11 12:07	SG	TAL NC

Client Sample ID: WG-121311-KH-012

Lab Sample ID: 240-6918-16

Date Collected: 12/13/11 10:00
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 04:36	LW	TAL NC

Client Sample ID: WG-121311-KH-015

Lab Sample ID: 240-6918-17

Date Collected: 12/13/11 10:50
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 04:59	LW	TAL NC

Client Sample ID: WG-121311-KH-016

Lab Sample ID: 240-6918-18

Date Collected: 12/13/11 11:47
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 05:21	LW	TAL NC

Client Sample ID: WG-121311-KH-017

Lab Sample ID: 240-6918-19

Date Collected: 12/13/11 12:52
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 05:43	LW	TAL NC

Client Sample ID: WG-121311-KH-019

Lab Sample ID: 240-6918-20

Date Collected: 12/13/11 14:05
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 06:06	LW	TAL NC

Client Sample ID: WG-121311-KH-021

Lab Sample ID: 240-6918-21

Date Collected: 12/13/11 15:40
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 06:29	LW	TAL NC

Client Sample ID: WG-121311-KH-022

Lab Sample ID: 240-6918-22

Date Collected: 12/13/11 14:55
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27613	12/21/11 06:51	LW	TAL NC

Client Sample ID: WG-121411-DF-023

Lab Sample ID: 240-6918-23

Date Collected: 12/14/11 08:30
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27689	12/21/11 19:25	LW	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121411-DF-023

Lab Sample ID: 240-6918-23

Date Collected: 12/14/11 08:30
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			27668	12/21/11 08:56	SE	TAL NC
Total/NA	Analysis	8270C		1	28140	12/27/11 18:13	TH	TAL NC
Total/NA	Analysis	8015B		1	27337	12/19/11 18:24	DB	TAL NC
Total/NA	Prep	3510C			27161	12/16/11 08:46	SE	TAL NC
Total/NA	Analysis	8015B		1	27324	12/19/11 12:31	SG	TAL NC

Client Sample ID: WG-121411-DF-025

Lab Sample ID: 240-6918-24

Date Collected: 12/14/11 10:00
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27765	12/21/11 23:31	LW	TAL NC
Total/NA	Prep	3520C			27668	12/21/11 08:56	SE	TAL NC
Total/NA	Analysis	8270C		1	28140	12/27/11 19:04	TH	TAL NC
Total/NA	Analysis	8015B		1	27337	12/20/11 12:58	DB	TAL NC
Total/NA	Prep	3510C			27161	12/16/11 08:46	SE	TAL NC
Total/NA	Analysis	8015B		1	27324	12/19/11 13:43	SG	TAL NC

Client Sample ID: WG-121411-DF-027

Lab Sample ID: 240-6918-25

Date Collected: 12/14/11 11:20
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	27765	12/21/11 23:53	LW	TAL NC

Client Sample ID: WG-121411-DF-028

Lab Sample ID: 240-6918-26

Date Collected: 12/14/11 12:30
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27765	12/22/11 00:16	LW	TAL NC
Total/NA	Prep	3520C			27668	12/21/11 08:56	SE	TAL NC
Total/NA	Analysis	8270C		1	28140	12/27/11 19:21	TH	TAL NC
Total/NA	Analysis	8015B		1	27337	12/19/11 20:09	DB	TAL NC
Total/NA	Prep	3510C			27161	12/16/11 08:46	SE	TAL NC
Total/NA	Analysis	8015B		1	27324	12/19/11 14:07	SG	TAL NC

Client Sample ID: WG-121411-KH-024

Lab Sample ID: 240-6918-27

Date Collected: 12/14/11 09:57
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27765	12/22/11 00:38	LW	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121411-KH-026

Lab Sample ID: 240-6918-28

Date Collected: 12/14/11 10:56
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27765	12/22/11 01:01	LW	TAL NC

Client Sample ID: WG-121411-KH-029

Lab Sample ID: 240-6918-29

Date Collected: 12/14/11 13:02
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27765	12/22/11 01:23	LW	TAL NC

Client Sample ID: WG-121411-KH-030

Lab Sample ID: 240-6918-30

Date Collected: 12/14/11 14:17
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27765	12/22/11 01:45	LW	TAL NC

Client Sample ID: WG-121411-KH-031

Lab Sample ID: 240-6918-31

Date Collected: 12/14/11 16:15
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27765	12/22/11 02:07	LW	TAL NC

Client Sample ID: TB-121411-KH-032

Lab Sample ID: 240-6918-32

Date Collected: 12/14/11 00:00
Date Received: 12/15/11 09:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	27765	12/22/11 02:30	LW	TAL NC

Client Sample ID: WG-121511-KH-033

Lab Sample ID: 240-7036-1

Date Collected: 12/15/11 10:17
Date Received: 12/16/11 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	28111	12/24/11 15:30	RQ	TAL NC

Client Sample ID: WG-121511-KH-034

Lab Sample ID: 240-7036-2

Date Collected: 12/15/11 13:27
Date Received: 12/16/11 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	28111	12/24/11 15:52	RQ	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Client Sample ID: WG-121511-KH-035

Lab Sample ID: 240-7036-3

Date Collected: 12/15/11 14:47
Date Received: 12/16/11 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	28111	12/24/11 16:13	RQ	TAL NC

Client Sample ID: TB-121511-KH-036

Lab Sample ID: 240-7036-4

Date Collected: 12/15/11 00:00
Date Received: 12/16/11 09:45

Matrix: WQ

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	28111	12/24/11 16:34	RQ	TAL NC

Laboratory References:

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

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-6918-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACLASS	DoD ELAP		ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA		P330-11-00328
TestAmerica North Canton	Virginia	NELAC Secondary AB	3	460175
TestAmerica North Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other RACER

TestAmerica Laboratories, Inc.

Client Contact	Client Project Manager:	Site Contact:	Lab Contact:	COC No:
Company Name: CRA	Pat Klick			022030
Address:	Telephone:	Telephone:	Telephone:	1 of 4 COCs
City/State/Zip:	Email:	Analysis Turnaround Time (In BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐ Job/SDG No:
Project Name: Fairfax I - GM	Method of Shipment/Carrier:			
Project Number: 012559	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C / Grab G	VOC	SVOC								Sample Specific Notes / Special Instructions:
WG-121211-DF-001	12 12 11	1020		X						X					N	G	X									
WG-121211-DF-003	12 12 11	1210		X						X					N	G	X	X								
WG-121211-DF-005	12 12 11	1330		X						X					N	G	X									
WG-121211-DF-007	12 12 11	1430		X						X					N	G	X									
WG-121211-DF-009	12 12 11	1625		X						X					N	G	X									
WG-121211-DF-010 (MS)	~~12 12 11~~	—		X						X					N	G	X									
WG-121211-KH-002	12/12/11	10:55		X						X					N	G	X	X								
WG-121211-KH-004	12/12/11	13:44		X						X					N	G	X									
WG-121211-KH-006	12/12/11	15:18		X						X					N	G	X									
WG-121211-KH-008	12/12/11	16:18		X						X					N	G	X									

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	CRA	12/14/11 18:20	Fed Ex		
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12-15-11 0930

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TAL 0018- 1 (04/10)

1/3/2012

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other RACER

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: CRA	Client Project Manager: Pat Klick	Site Contact:	Lab Contact:	COC No: 022031
Address:	Telephone:	Telephone:	Telephone:	2 of 4 COCs
City/State/Zip:	Email:	Analysis Turnaround Time (In BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐ Job/SDG No:
Project Name: Fairfax 1 - GM	Method of Shipment/Carrier:			
Project Number: 12559	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	VOC	SVOC									Sample Specific Notes / Special Instructions:
WG-121311-DF-011	12-13-11	0850		X						X					N	G	X										
WG-121311-DF-013	12-13-11	1045		X						X					N	G	X	X									
WG-121311-DF-014	12-13-11	—		X						X					N	G	X	X									
WG-121311-DF-018	12-13-11	1330		X						X					N	G	X										MS/MSD
WG-121311-DF-020	12-13-11	1440		X						X					N	G	X	X									
WG-121311-KH-012	12/13/11	10:00		X						X					N	G	X										
WG-121311-KH-015	12/13/11	10:50		X						X					N	G	X										
WG-121311-KH-016	12/13/11	11:47		X						X					N	G	X										
WG-121311-KH-017	12/13/11	12:52		X						X					N	G	X										
WG-121311-KH-019	12/13/11	14:05		X						X					N	G	X										

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by: [signature]	Company: CRA	Date/Time: 12/14/11 18:20	Received by: Fed Ex	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12.15.11 0930

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TAL 0018-1 (04/10)

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other RACER

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: CRA	Client Project Manager: Pat Klick	Site Contact:	Lab Contact:	COC No: 022033
Address:	Telephone:	Telephone:	Telephone:	3 of 4 COCs
City/State/Zip:	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only:
Phone:		TAT if different from below: ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐ Job/SDG No:
Project Name: Fairfax 1 - GM	Method of Shipment/Carrier:			
Project Number: 12559	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	VOC										Sample Specific Notes / Special Instructions:
WG-121311-KH-021	12/13/11	15:40		X						X					N	G	X										
WG-121311-KH-022	12/13/11	14:55		X						X					N	G	X										

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company: CRA	Date/Time: 12/14/11 18:20	Received by: Fed Ex	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TAL	Date/Time: 12-15-11 0930

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TAL 0018-1 (04/10)

1/3/2012

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other KACER

TestAmerica Laboratories, Inc.

Client Contact	Client Project Manager:	Site Contact:	Lab Contact:	COC No: 022032
Company Name: CRA	Pat Klick			4 of 4 COCs
Address:	Telephone:	Telephone:	Telephone:	
City/State/Zip:	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐ Job/SDG No:
Project Name: Fairfax 1 - GM	Method of Shipment/Carrier:			
Project Number: 12559	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C / Grab G	VOC	SVOC	Sample Specific Notes / Special Instructions:
WG-121411-DF-023	12 14 11	0830		X						X					N	G	X	X	Run MS/MSD
WG-121411-DF-025	12 14 11	1000		X						X					N	G	X	X	
WG-121411-DF-027	12 14 11	1120		X						X					N	G	X		
WG-121411-DF-028	12 14 11	1230		X						X					N	G	X	X	
WG-121411-KH-024	12/14/11	09:57		X						X					N	G	X		
WG-121411-KH-026	12/14/11	10:56		X						X					N	G	X		
WG-121411-KH-029	12/14/11	13:02		X						X					N	G	X		
WG-121411-KH-030	12/14/11	14:17		X						X					N	G	X		
WG-121411-KH-031	12/14/11	16:15		X						X					N	G	X		
TB-121411-KH-032	12/14/11	—		X						X					N	G	X		

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	CRA	12/14/11 18:20	Fedex		
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12-15-11 0930

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TAL 0018-1 (04/10)

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** 10918
North Canton Facility

Client CRA Project _____ By: _____
Cooler Received on 12-15-11 Opened on 12-15-11 (Signature)
FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA
   If YES, Quantity 6 Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes No NA
   Were custody seals on the bottle(s)? Yes No
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes No
3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No
4. Were the custody papers signed in the appropriate place? Yes No
5. Packing material used: Bubble Wrap Foam None Other _____
6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps
   METHOD: IR Other _____
   COOLANT: Wet Ice Blue Ice Dry Ice Water None
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were sample(s) at the correct pH upon receipt? Yes No NA
10. Were correct bottle(s) used for the test(s) indicated? Yes No
11. Were air bubbles >6 mm in any VOA vials? Yes No NA
12. Sufficient quantity received to perform indicated analyses? Yes No
13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

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

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) 1xL DF-023 / 1240 015 & 1240 016 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# 110410-HNO_3; Sulfuric Acid Lot# 041911-H_2SO_4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot#* 100108-$(CH_3COO)_2ZN$/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
1502 SW 41st St.
Topeka, KS. 66609

SHIPPED TO (Laboratory Name): Test America

REFERENCE NUMBER: 012559

SAMPLER'S SIGNATURE: Kirk Hoeffner PRINTED NAME: Kirk Hoeffner

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS: VOCs	REMARKS
	12/15/11	10:17	WG-121511-KH-033	Water	3	X	
	12/15/11	13:27	WG-121511-KH-034	Water	3	X	
	12/15/11	14:47	WG-121511-KH-035	Water	3	X	
	12/15/11	—	TB-121511-KH-036	Water	1	X	Trip Blank

TOTAL NUMBER OF CONTAINERS: 10 HEALTH/CHEMICAL HAZARDS:

RELINQUISHED BY: ① Kirk Hoeffner	DATE: 12/15/11 TIME: 18:10	RECEIVED BY: ① Fed Ex	DATE: 12/15/11 TIME: 18:11
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM: Kirk Hoeffner

RECEIVED FOR LABORATORY BY:
DATE: 12/16/11 TIME: 945

Nº CRA 26190

1001 (D) APR 28/97(NF) REV. 0 (F-15)

1/3/2012

TestAmerica Cooler Receipt Form/Narrative **Lot Number: 4036**
North Canton Facility

Client CRA Project _____ By _____
Cooler Received on 12-16-11 Opened on 12-16-11 (Signature)
(FedEx) UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # C875 Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes (No) Intact? Yes No (NA)
   If YES, Quantity _____ Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes No (NA)
   Were custody seals on the bottle(s)? Yes (No)
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? (Yes) No
3. Did custody papers accompany the sample(s)? (Yes) No Relinquished by client? (Yes) No
4. Were the custody papers signed in the appropriate place? (Yes) No
5. Packing material used: (Bubble Wrap) Foam None Other _____
6. Cooler temperature upon receipt 4.9 °C See back of form for multiple coolers/temps
   METHOD: (IR) Other _____
   COOLANT: (Wet Ice) Blue Ice Dry Ice Water None
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels be reconciled with the COC? (Yes) No
9. Were sample(s) at the correct pH upon receipt? Yes No (NA)
10. Were correct bottle(s) used for the test(s) indicated? (Yes) No
11. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
12. Sufficient quantity received to perform indicated analyses? (Yes) No
13. Was a trip blank present in the cooler(s)? (Yes) No Were VOAs on the COC? (Yes) No

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

14. CHAIN OF CUSTODY

The following discrepancies occurred:

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# 110410-HNO_3; Sulfuric Acid Lot# 041911-H_2SO_4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot#* 100108-*$(CH_3COO)_2ZN$/NaOH.* What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-6918-1

Login Number: 6918
List Number: 1
Creator: Sutek, Nick

List Source: TestAmerica North Canton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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	2.0/3.1/2.5/2.3/4.1/3.7
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-6918-1

Login Number: 7036
List Number: 1
Creator: Burns, Terry

List Source: TestAmerica North Canton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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	4.9
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 240-7224-1
Client Project/Site: 12559-T05, RACER Fairfax

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, New York 14304

Attn: Ms. Sue Scrocchi

Denise D Heckler

Authorized for release by:
1/6/2012 3:15:16 PM

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

LINKS

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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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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.

GC/MS Semi 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.

GC VOA

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

GC Semi 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.
X	Surrogate is outside control limits

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.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
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)

Job ID: 240-7224-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 12559-T05, RACER Fairfax

Report Number: 240-7224-1

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 12/23/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.4, 2.9, 3.1 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WG-122211-KH-037 (240-7224-1), WG-122211-KH-038 (240-7224-2) and TB-122211-KH-039 (240-7224-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 01/03/2012 and 01/04/2012.

Methylene Chloride was detected in method blank MB 240-29013/5 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 WG-122211-KH-037 (240-7224-1)[2.5X] and WG-122211-KH-038 (240-7224-2)[125X] 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: 240-7224-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 12/27/2011 and analyzed on 01/04/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Sample WG-122211-KH-038 (240-7224-2)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the SVOC analyses.

All quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS (GRO)

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 01/04/2012 and 01/05/2012.

C6-C10 was detected in method blank MB 240-29130/18 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. C6-C10 was detected in method blank MB 240-29136/11 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.

Sample WG-122211-KH-038 (240-7224-2)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the GRO analyses.

All other quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS (DRO)

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 12/28/2011 and analyzed on 12/29/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

No difficulties were encountered during the DRO analyses.

All quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 12/27/2011 and analyzed on 01/05/2012 and 12/28/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for WG-122211-KH-038 (240-7224-2).

Sample WG-122211-KH-038 (240-7224-2)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The closing continuing calibration verification (CCV) recovered some analytes above the upper control limits. The samples associated with this CCV WG-122211-KH-037 (240-7224-1)were not detected above the reporting limits for the affected analytes; therefore the data have been reported.

No other difficulties were encountered during the pesticides analyses.

Job ID: 240-7224-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 12/28/2011 and analyzed on 12/29/2011.

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 12/27/2011 and analyzed on 12/28/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

No difficulties were encountered during the herbicides analyses.

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 12/30/2011 and analyzed on 01/03/2012.

Barium was detected in method blank MB 240-28743/1-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 metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 01/03/2012 and analyzed on 01/04/2012.

No difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

FLASHPOINT

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for flashpoint in accordance with EPA SW-846 1010. The samples were analyzed on 12/29/2011.

No difficulties were encountered during the flashpoint analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 12/27/2011.

No difficulties were encountered during the cyanide analyses.

Job ID: 240-7224-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

All quality control parameters were within the acceptance limits.

SULFIDE

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared and analyzed on 12/27/2011.

No difficulties were encountered during the sulfide analyses.

All quality control parameters were within the acceptance limits.

PH

Samples WG-122211-KH-037 (240-7224-1) and WG-122211-KH-038 (240-7224-2) were analyzed for pH in accordance with EPA SW-846 Method 9040C. The samples were analyzed past the method recommended 15 minute holding time on 12/23/2011.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
8015B	Gasoline Range Organics - (GC)	SW846	TAL NC
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NC
8081A	Organochlorine Pesticides (GC)	SW846	TAL NC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NC
8151A	Herbicides (GC)	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
9040C	pH	SW846	TAL NC

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-7224-1	WG-122211-KH-037	Water	12/22/11 11:10	12/23/11 11:00
240-7224-2	WG-122211-KH-038	Water	12/22/11 11:15	12/23/11 11:00
240-7224-3	TB-122211-KH-039	Water	12/22/11 00:00	12/23/11 11:00

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

Client Sample ID: WG-122211-KH-037 — Lab Sample ID: 240-7224-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	140		25	2.8	ug/L	2.5		8260B	Total/NA
2-Butanone (MEK)	7.1	J	25	1.4	ug/L	2.5		8260B	Total/NA
Methylene Chloride	1.6	J B	2.5	0.83	ug/L	2.5		8260B	Total/NA
cis-1,2-Dichloroethene	2.1	J	2.5	0.43	ug/L	2.5		8260B	Total/NA
Phenol	1.7		0.95	0.57	ug/L	1		8270C	Total/NA
C6-C10	39	J B	100	25	ug/L	1		8015B	Total/NA
Barium	280	B	200	0.67	ug/L	1		6010B	Total Recovera
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
pH	7.5	H	0.10	0.10	SU	1		9040C	Total/NA

Client Sample ID: WG-122211-KH-038 — Lab Sample ID: 240-7224-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7600		1300	140	ug/L	125		8260B	Total/NA
Ethylbenzene	55	J	130	21	ug/L	125		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	3000		1300	40	ug/L	125		8260B	Total/NA
Toluene	1600		130	16	ug/L	125		8260B	Total/NA
Xylenes, Total	580		250	35	ug/L	125		8260B	Total/NA
2,4-Dimethylphenol	42		19	7.6	ug/L	10		8270C	Total/NA
2-Methylnaphthalene	39		1.9	0.95	ug/L	10		8270C	Total/NA
2-Methylphenol	110		9.5	7.6	ug/L	10		8270C	Total/NA
Fluorene	2.8		1.9	0.95	ug/L	10		8270C	Total/NA
Naphthalene	30		1.9	0.95	ug/L	10		8270C	Total/NA
Phenol	29		9.5	5.7	ug/L	10		8270C	Total/NA
Phenanthrene	4.7		1.9	0.95	ug/L	10		8270C	Total/NA
3 & 4 Methylphenol	260		19	7.1	ug/L	10		8270C	Total/NA
C6-C10	5800	B	1000	250	ug/L	10		8015B	Total/NA
C10-C20	6000		480	230	ug/L	1		8015B	Total/NA
beta-BHC	0.19	J	0.48	0.080	ug/L	10		8081A	Total/NA
Barium	260	B	200	0.67	ug/L	1		6010B	Total Recovera
Arsenic	11		10	3.2	ug/L	1		6010B	Total Recovera
Flashpoint	>180		1.00	1.00	Degrees F	1		1010	Total/NA
pH	7.3	H	0.10	0.10	SU	1		9040C	Total/NA

Client Sample ID: TB-122211-KH-039 — Lab Sample ID: 240-7224-3

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

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

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

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**140**		25	2.8	ug/L			01/04/12 14:10	2.5
Benzene	2.5	U	2.5	0.33	ug/L			01/04/12 14:10	2.5
Dichlorobromomethane	2.5	U	2.5	0.38	ug/L			01/04/12 14:10	2.5
Bromoform	2.5	U	2.5	1.6	ug/L			01/04/12 14:10	2.5
Bromomethane	2.5	U	2.5	1.0	ug/L			01/04/12 14:10	2.5
2-Butanone (MEK)	**7.1**	**J**	25	1.4	ug/L			01/04/12 14:10	2.5
Carbon disulfide	2.5	U	2.5	0.33	ug/L			01/04/12 14:10	2.5
Carbon tetrachloride	2.5	U	2.5	0.33	ug/L			01/04/12 14:10	2.5
Chlorobenzene	2.5	U	2.5	0.38	ug/L			01/04/12 14:10	2.5
Chloroethane	2.5	U	2.5	0.73	ug/L			01/04/12 14:10	2.5
Chloroform	2.5	U	2.5	0.40	ug/L			01/04/12 14:10	2.5
Chloromethane	2.5	U	2.5	0.75	ug/L			01/04/12 14:10	2.5
1,1-Dichloroethane	2.5	U	2.5	0.38	ug/L			01/04/12 14:10	2.5
1,2-Dichloroethane	2.5	U	2.5	0.55	ug/L			01/04/12 14:10	2.5
1,1-Dichloroethene	2.5	U	2.5	0.48	ug/L			01/04/12 14:10	2.5
1,2-Dichloropropane	2.5	U	2.5	0.45	ug/L			01/04/12 14:10	2.5
cis-1,3-Dichloropropene	2.5	U	2.5	0.35	ug/L			01/04/12 14:10	2.5
trans-1,3-Dichloropropene	2.5	U	2.5	0.48	ug/L			01/04/12 14:10	2.5
Ethylbenzene	2.5	U	2.5	0.43	ug/L			01/04/12 14:10	2.5
2-Hexanone	25	U	25	1.0	ug/L			01/04/12 14:10	2.5
Methylene Chloride	**1.6**	**J B**	2.5	0.83	ug/L			01/04/12 14:10	2.5
4-Methyl-2-pentanone (MIBK)	25	U	25	0.80	ug/L			01/04/12 14:10	2.5
Styrene	2.5	U	2.5	0.28	ug/L			01/04/12 14:10	2.5
1,1,2,2-Tetrachloroethane	2.5	U	2.5	0.45	ug/L			01/04/12 14:10	2.5
Tetrachloroethene	2.5	U	2.5	0.73	ug/L			01/04/12 14:10	2.5
Toluene	2.5	U	2.5	0.33	ug/L			01/04/12 14:10	2.5
Trichloroethene	2.5	U	2.5	0.43	ug/L			01/04/12 14:10	2.5
Vinyl chloride	2.5	U	2.5	0.55	ug/L			01/04/12 14:10	2.5
Xylenes, Total	5.0	U	5.0	0.70	ug/L			01/04/12 14:10	2.5
1,1,1-Trichloroethane	2.5	U	2.5	0.55	ug/L			01/04/12 14:10	2.5
1,1,2-Trichloroethane	2.5	U	2.5	0.68	ug/L			01/04/12 14:10	2.5
Cyclohexane	2.5	U	2.5	0.30	ug/L			01/04/12 14:10	2.5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.7	ug/L			01/04/12 14:10	2.5
Ethylene Dibromide	2.5	U	2.5	0.60	ug/L			01/04/12 14:10	2.5
Dichlorodifluoromethane	2.5	U	2.5	0.78	ug/L			01/04/12 14:10	2.5
cis-1,2-Dichloroethene	**2.1**	**J**	2.5	0.43	ug/L			01/04/12 14:10	2.5
trans-1,2-Dichloroethene	2.5	U	2.5	0.48	ug/L			01/04/12 14:10	2.5
Isopropylbenzene	2.5	U	2.5	0.33	ug/L			01/04/12 14:10	2.5
Methyl acetate	25	U	25	0.95	ug/L			01/04/12 14:10	2.5
Methyl tert-butyl ether	13	U	13	0.43	ug/L			01/04/12 14:10	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U	2.5	0.70	ug/L			01/04/12 14:10	2.5
1,2,4-Trichlorobenzene	2.5	U	2.5	0.38	ug/L			01/04/12 14:10	2.5
1,2-Dichlorobenzene	2.5	U	2.5	0.33	ug/L			01/04/12 14:10	2.5
1,3-Dichlorobenzene	2.5	U	2.5	0.35	ug/L			01/04/12 14:10	2.5
1,4-Dichlorobenzene	2.5	U	2.5	0.33	ug/L			01/04/12 14:10	2.5
Trichlorofluoromethane	2.5	U	2.5	0.53	ug/L			01/04/12 14:10	2.5
Chlorodibromomethane	2.5	U	2.5	0.45	ug/L			01/04/12 14:10	2.5
Methylcyclohexane	2.5	U	2.5	0.33	ug/L			01/04/12 14:10	2.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		63 - 129		01/04/12 14:10	2.5
4-Bromofluorobenzene (Surr)	93		66 - 117		01/04/12 14:10	2.5
Toluene-d8 (Surr)	94		74 - 115		01/04/12 14:10	2.5
Dibromofluoromethane (Surr)	101		75 - 121		01/04/12 14:10	2.5

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7600		1300	140	ug/L			01/03/12 18:03	125
Benzene	130	U	130	16	ug/L			01/03/12 18:03	125
Dichlorobromomethane	130	U	130	19	ug/L			01/03/12 18:03	125
Bromoform	130	U	130	80	ug/L			01/03/12 18:03	125
Bromomethane	130	U	130	51	ug/L			01/03/12 18:03	125
2-Butanone (MEK)	1300	U	1300	71	ug/L			01/03/12 18:03	125
Carbon disulfide	130	U	130	16	ug/L			01/03/12 18:03	125
Carbon tetrachloride	130	U	130	16	ug/L			01/03/12 18:03	125
Chlorobenzene	130	U	130	19	ug/L			01/03/12 18:03	125
Chloroethane	130	U	130	36	ug/L			01/03/12 18:03	125
Chloroform	130	U	130	20	ug/L			01/03/12 18:03	125
Chloromethane	130	U	130	38	ug/L			01/03/12 18:03	125
1,1-Dichloroethane	130	U	130	19	ug/L			01/03/12 18:03	125
1,2-Dichloroethane	130	U	130	28	ug/L			01/03/12 18:03	125
1,1-Dichloroethene	130	U	130	24	ug/L			01/03/12 18:03	125
1,2-Dichloropropane	130	U	130	23	ug/L			01/03/12 18:03	125
cis-1,3-Dichloropropene	130	U	130	18	ug/L			01/03/12 18:03	125
trans-1,3-Dichloropropene	130	U	130	24	ug/L			01/03/12 18:03	125
Ethylbenzene	55	J	130	21	ug/L			01/03/12 18:03	125
2-Hexanone	1300	U	1300	51	ug/L			01/03/12 18:03	125
Methylene Chloride	130	U	130	41	ug/L			01/03/12 18:03	125
4-Methyl-2-pentanone (MIBK)	3000		1300	40	ug/L			01/03/12 18:03	125
Styrene	130	U	130	14	ug/L			01/03/12 18:03	125
1,1,2,2-Tetrachloroethane	130	U	130	23	ug/L			01/03/12 18:03	125
Tetrachloroethene	130	U	130	36	ug/L			01/03/12 18:03	125
Toluene	1600		130	16	ug/L			01/03/12 18:03	125
Trichloroethene	130	U	130	21	ug/L			01/03/12 18:03	125
Vinyl chloride	130	U	130	28	ug/L			01/03/12 18:03	125
Xylenes, Total	580		250	35	ug/L			01/03/12 18:03	125
1,1,1-Trichloroethane	130	U	130	28	ug/L			01/03/12 18:03	125
1,1,2-Trichloroethane	130	U	130	34	ug/L			01/03/12 18:03	125
Cyclohexane	130	U	130	15	ug/L			01/03/12 18:03	125
1,2-Dibromo-3-Chloropropane	250	U	250	84	ug/L			01/03/12 18:03	125
Ethylene Dibromide	130	U	130	30	ug/L			01/03/12 18:03	125
Dichlorodifluoromethane	130	U	130	39	ug/L			01/03/12 18:03	125
cis-1,2-Dichloroethene	130	U	130	21	ug/L			01/03/12 18:03	125
trans-1,2-Dichloroethene	130	U	130	24	ug/L			01/03/12 18:03	125
Isopropylbenzene	130	U	130	16	ug/L			01/03/12 18:03	125
Methyl acetate	1300	U	1300	48	ug/L			01/03/12 18:03	125
Methyl tert-butyl ether	630	U	630	21	ug/L			01/03/12 18:03	125
1,1,2-Trichloro-1,2,2-trifluoroethane	130	U	130	35	ug/L			01/03/12 18:03	125
1,2,4-Trichlorobenzene	130	U	130	19	ug/L			01/03/12 18:03	125
1,2-Dichlorobenzene	130	U	130	16	ug/L			01/03/12 18:03	125

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

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	130	U	130	18	ug/L			01/03/12 18:03	125
1,4-Dichlorobenzene	130	U	130	16	ug/L			01/03/12 18:03	125
Trichlorofluoromethane	130	U	130	26	ug/L			01/03/12 18:03	125
Chlorodibromomethane	130	U	130	23	ug/L			01/03/12 18:03	125
Methylcyclohexane	130	U	130	16	ug/L			01/03/12 18:03	125

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*63 - 129*		*01/03/12 18:03*	*125*
4-Bromofluorobenzene (Surr)	*93*		*66 - 117*		*01/03/12 18:03*	*125*
Toluene-d8 (Surr)	*100*		*74 - 115*		*01/03/12 18:03*	*125*
Dibromofluoromethane (Surr)	*104*		*75 - 121*		*01/03/12 18:03*	*125*

Client Sample ID: TB-122211-KH-039
Date Collected: 12/22/11 00:00
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	J	10	1.1	ug/L			01/03/12 14:28	1
Benzene	1.0	U	1.0	0.13	ug/L			01/03/12 14:28	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			01/03/12 14:28	1
Bromoform	1.0	U	1.0	0.64	ug/L			01/03/12 14:28	1
Bromomethane	1.0	U	1.0	0.41	ug/L			01/03/12 14:28	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			01/03/12 14:28	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			01/03/12 14:28	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			01/03/12 14:28	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			01/03/12 14:28	1
Chloroethane	1.0	U	1.0	0.29	ug/L			01/03/12 14:28	1
Chloroform	1.0	U	1.0	0.16	ug/L			01/03/12 14:28	1
Chloromethane	1.0	U	1.0	0.30	ug/L			01/03/12 14:28	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			01/03/12 14:28	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			01/03/12 14:28	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			01/03/12 14:28	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			01/03/12 14:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			01/03/12 14:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			01/03/12 14:28	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			01/03/12 14:28	1
2-Hexanone	10	U	10	0.41	ug/L			01/03/12 14:28	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			01/03/12 14:28	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			01/03/12 14:28	1
Styrene	1.0	U	1.0	0.11	ug/L			01/03/12 14:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			01/03/12 14:28	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			01/03/12 14:28	1
Toluene	1.0	U	1.0	0.13	ug/L			01/03/12 14:28	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			01/03/12 14:28	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			01/03/12 14:28	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			01/03/12 14:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			01/03/12 14:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			01/03/12 14:28	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			01/03/12 14:28	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			01/03/12 14:28	1

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

Client Sample ID: TB-122211-KH-039
Date Collected: 12/22/11 00:00
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			01/03/12 14:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/03/12 14:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			01/03/12 14:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			01/03/12 14:28	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			01/03/12 14:28	1
Methyl acetate	10	U	10	0.38	ug/L			01/03/12 14:28	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			01/03/12 14:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			01/03/12 14:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			01/03/12 14:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			01/03/12 14:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			01/03/12 14:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			01/03/12 14:28	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			01/03/12 14:28	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			01/03/12 14:28	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			01/03/12 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*63 - 129*		*01/03/12 14:28*	*1*
4-Bromofluorobenzene (Surr)	*84*		*66 - 117*		*01/03/12 14:28*	*1*
Toluene-d8 (Surr)	*97*		*74 - 115*		*01/03/12 14:28*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 121*		*01/03/12 14:28*	*1*

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

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		12/27/11 07:51	01/04/12 17:52	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		12/27/11 07:51	01/04/12 17:52	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		12/27/11 07:51	01/04/12 17:52	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		12/27/11 07:51	01/04/12 17:52	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		12/27/11 07:51	01/04/12 17:52	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		12/27/11 07:51	01/04/12 17:52	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		12/27/11 07:51	01/04/12 17:52	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		12/27/11 07:51	01/04/12 17:52	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		12/27/11 07:51	01/04/12 17:52	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
4-Chloroaniline	1.9	U	1.9	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		12/27/11 07:51	01/04/12 17:52	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		12/27/11 07:51	01/04/12 17:52	1
Acenaphthene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Acetophenone	0.95	U	0.95	0.32	ug/L		12/27/11 07:51	01/04/12 17:52	1
Anthracene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Atrazine	0.95	U	0.95	0.32	ug/L		12/27/11 07:51	01/04/12 17:52	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		12/27/11 07:51	01/04/12 17:52	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		12/27/11 07:51	01/04/12 17:52	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
Caprolactam	4.8	U	4.8	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
Carbazole	0.95	U	0.95	0.27	ug/L		12/27/11 07:51	01/04/12 17:52	1
Chrysene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		12/27/11 07:51	01/04/12 17:52	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		12/27/11 07:51	01/04/12 17:52	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		12/27/11 07:51	01/04/12 17:52	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1

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

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		12/27/11 07:51	01/04/12 17:52	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Isophorone	0.95	U	0.95	0.26	ug/L		12/27/11 07:51	01/04/12 17:52	1
Naphthalene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		12/27/11 07:51	01/04/12 17:52	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		12/27/11 07:51	01/04/12 17:52	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		12/27/11 07:51	01/04/12 17:52	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		12/27/11 07:51	01/04/12 17:52	1
Phenol	**1.7**		0.95	0.57	ug/L		12/27/11 07:51	01/04/12 17:52	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
Pyrene	0.19	U	0.19	0.095	ug/L		12/27/11 07:51	01/04/12 17:52	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		12/27/11 07:51	01/04/12 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*28 - 110*	*12/27/11 07:51*	*01/04/12 17:52*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 110*	*12/27/11 07:51*	*01/04/12 17:52*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*22 - 120*	*12/27/11 07:51*	*01/04/12 17:52*	*1*
Nitrobenzene-d5 (Surr)	*86*		*27 - 111*	*12/27/11 07:51*	*01/04/12 17:52*	*1*
Phenol-d5 (Surr)	*89*		*10 - 110*	*12/27/11 07:51*	*01/04/12 17:52*	*1*
Terphenyl-d14 (Surr)	*91*		*37 - 119*	*12/27/11 07:51*	*01/04/12 17:52*	*1*

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	9.5	U	9.5	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
bis (2-chloroisopropyl) ether	9.5	U	9.5	3.8	ug/L		12/27/11 07:51	01/04/12 18:12	10
2,4,5-Trichlorophenol	48	U	48	2.9	ug/L		12/27/11 07:51	01/04/12 18:12	10
2,4,6-Trichlorophenol	48	U	48	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
2,4-Dichlorophenol	19	U	19	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
2,4-Dimethylphenol	**42**		19	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
2,4-Dinitrophenol	48	U	48	23	ug/L		12/27/11 07:51	01/04/12 18:12	10
2,4-Dinitrotoluene	48	U	48	2.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
2,6-Dinitrotoluene	48	U	48	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
2-Chloronaphthalene	9.5	U	9.5	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
2-Chlorophenol	9.5	U	9.5	2.8	ug/L		12/27/11 07:51	01/04/12 18:12	10
2-Methylnaphthalene	**39**		1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
2-Methylphenol	**110**		9.5	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
2-Nitroaniline	19	U	19	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
2-Nitrophenol	19	U	19	2.7	ug/L		12/27/11 07:51	01/04/12 18:12	10
3,3'-Dichlorobenzidine	48	U	48	3.5	ug/L		12/27/11 07:51	01/04/12 18:12	10
3-Nitroaniline	19	U	19	2.7	ug/L		12/27/11 07:51	01/04/12 18:12	10
4,6-Dinitro-2-methylphenol	48	U	48	23	ug/L		12/27/11 07:51	01/04/12 18:12	10
4-Bromophenyl phenyl ether	19	U	19	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
4-Chloro-3-methylphenol	19	U	19	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10

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

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	19	U	19	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
4-Chlorophenyl phenyl ether	19	U	19	2.9	ug/L		12/27/11 07:51	01/04/12 18:12	10
4-Nitroaniline	19	U	19	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
4-Nitrophenol	48	U	48	23	ug/L		12/27/11 07:51	01/04/12 18:12	10
Acenaphthene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Acenaphthylene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Acetophenone	9.5	U	9.5	3.2	ug/L		12/27/11 07:51	01/04/12 18:12	10
Anthracene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Atrazine	9.5	U	9.5	3.2	ug/L		12/27/11 07:51	01/04/12 18:12	10
Benzaldehyde	9.5	U	9.5	3.7	ug/L		12/27/11 07:51	01/04/12 18:12	10
Benzo[a]anthracene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Benzo[a]pyrene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Benzo[b]fluoranthene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Benzo[g,h,i]perylene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Benzo[k]fluoranthene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Bis(2-chloroethoxy)methane	9.5	U	9.5	3.0	ug/L		12/27/11 07:51	01/04/12 18:12	10
Bis(2-chloroethyl)ether	9.5	U	9.5	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Bis(2-ethylhexyl) phthalate	19	U	19	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
Butyl benzyl phthalate	9.5	U	9.5	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
Caprolactam	48	U	48	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
Carbazole	9.5	U	9.5	2.7	ug/L		12/27/11 07:51	01/04/12 18:12	10
Chrysene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Dibenz(a,h)anthracene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Dibenzofuran	9.5	U	9.5	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Diethyl phthalate	9.5	U	9.5	5.7	ug/L		12/27/11 07:51	01/04/12 18:12	10
Dimethyl phthalate	9.5	U	9.5	2.8	ug/L		12/27/11 07:51	01/04/12 18:12	10
Di-n-butyl phthalate	9.5	U	9.5	6.4	ug/L		12/27/11 07:51	01/04/12 18:12	10
Di-n-octyl phthalate	9.5	U	9.5	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
Fluoranthene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Fluorene	**2.8**		1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Hexachlorobenzene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Hexachlorobutadiene	9.5	U	9.5	2.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
Hexachlorocyclopentadiene	95	U	95	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
Hexachloroethane	9.5	U	9.5	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Isophorone	9.5	U	9.5	2.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
Naphthalene	**30**		1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Nitrobenzene	9.5	U	9.5	0.38	ug/L		12/27/11 07:51	01/04/12 18:12	10
N-Nitrosodi-n-propylamine	9.5	U	9.5	7.6	ug/L		12/27/11 07:51	01/04/12 18:12	10
N-Nitrosodiphenylamine	9.5	U	9.5	3.0	ug/L		12/27/11 07:51	01/04/12 18:12	10
Pentachlorophenol	48	U	48	23	ug/L		12/27/11 07:51	01/04/12 18:12	10
Phenol	**29**		9.5	5.7	ug/L		12/27/11 07:51	01/04/12 18:12	10
Phenanthrene	**4.7**		1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
Pyrene	1.9	U	1.9	0.95	ug/L		12/27/11 07:51	01/04/12 18:12	10
3 & 4 Methylphenol	**260**		19	7.1	ug/L		12/27/11 07:51	01/04/12 18:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*28 - 110*	*12/27/11 07:51*	*01/04/12 18:12*	*10*
2-Fluorophenol (Surr)	*78*		*10 - 110*	*12/27/11 07:51*	*01/04/12 18:12*	*10*

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

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		22 - 120	12/27/11 07:51	01/04/12 18:12	10
Nitrobenzene-d5 (Surr)	86		27 - 111	12/27/11 07:51	01/04/12 18:12	10
Phenol-d5 (Surr)	107		10 - 110	12/27/11 07:51	01/04/12 18:12	10
Terphenyl-d14 (Surr)	51		37 - 119	12/27/11 07:51	01/04/12 18:12	10

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	39	J B	100	25	ug/L			01/05/12 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*94*		*10 - 150*		*01/05/12 17:54*	*1*

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	5800	B	1000	250	ug/L			01/04/12 21:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*104*		*10 - 150*		*01/04/12 21:54*	*10*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	480	U	480	230	ug/L		12/28/11 07:57	12/29/11 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*64*		*10 - 110*	*12/28/11 07:57*	*12/29/11 09:46*	*1*

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	6000		480	230	ug/L		12/28/11 07:57	12/29/11 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*80*		*10 - 110*	*12/28/11 07:57*	*12/29/11 10:10*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.048	U	0.048	0.0091	ug/L		12/27/11 07:55	12/28/11 23:10	1
4,4'-DDE	0.048	U	0.048	0.0092	ug/L		12/27/11 07:55	12/28/11 23:10	1
4,4'-DDT	0.048	U	0.048	0.015	ug/L		12/27/11 07:55	12/28/11 23:10	1
Aldrin	0.048	U	0.048	0.0078	ug/L		12/27/11 07:55	12/28/11 23:10	1
alpha-BHC	0.048	U	0.048	0.0067	ug/L		12/27/11 07:55	12/28/11 23:10	1
alpha-Chlordane	0.048	U	0.048	0.013	ug/L		12/27/11 07:55	12/28/11 23:10	1
beta-BHC	0.048	U	0.048	0.0080	ug/L		12/27/11 07:55	12/28/11 23:10	1
delta-BHC	0.048	U	0.048	0.0083	ug/L		12/27/11 07:55	12/28/11 23:10	1
Dieldrin	0.048	U	0.048	0.0071	ug/L		12/27/11 07:55	12/28/11 23:10	1
Endosulfan I	0.048	U	0.048	0.012	ug/L		12/27/11 07:55	12/28/11 23:10	1
Endosulfan II	0.048	U	0.048	0.011	ug/L		12/27/11 07:55	12/28/11 23:10	1
Endosulfan sulfate	0.048	U	0.048	0.010	ug/L		12/27/11 07:55	12/28/11 23:10	1
Endrin	0.048	U	0.048	0.010	ug/L		12/27/11 07:55	12/28/11 23:10	1
Endrin aldehyde	0.048	U	0.048	0.010	ug/L		12/27/11 07:55	12/28/11 23:10	1
Endrin ketone	0.048	U	0.048	0.0074	ug/L		12/27/11 07:55	12/28/11 23:10	1
gamma-BHC (Lindane)	0.048	U	0.048	0.0061	ug/L		12/27/11 07:55	12/28/11 23:10	1
gamma-Chlordane	0.048	U	0.048	0.011	ug/L		12/27/11 07:55	12/28/11 23:10	1
Heptachlor	0.048	U	0.048	0.0076	ug/L		12/27/11 07:55	12/28/11 23:10	1
Heptachlor epoxide	0.048	U	0.048	0.0068	ug/L		12/27/11 07:55	12/28/11 23:10	1
Methoxychlor	0.095	U	0.095	0.030	ug/L		12/27/11 07:55	12/28/11 23:10	1
Toxaphene	1.9	U	1.9	0.30	ug/L		12/27/11 07:55	12/28/11 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*10 - 145*	*12/27/11 07:55*	*12/28/11 23:10*	*1*
Tetrachloro-m-xylene	*101*		*30 - 141*	*12/27/11 07:55*	*12/28/11 23:10*	*1*

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.48	U	0.48	0.091	ug/L		12/27/11 07:55	01/05/12 07:44	10
4,4'-DDE	0.48	U	0.48	0.092	ug/L		12/27/11 07:55	01/05/12 07:44	10
4,4'-DDT	0.48	U	0.48	0.15	ug/L		12/27/11 07:55	01/05/12 07:44	10
Aldrin	0.48	U	0.48	0.078	ug/L		12/27/11 07:55	01/05/12 07:44	10
alpha-BHC	0.48	U	0.48	0.067	ug/L		12/27/11 07:55	01/05/12 07:44	10
alpha-Chlordane	0.48	U	0.48	0.13	ug/L		12/27/11 07:55	01/05/12 07:44	10
beta-BHC	0.19	J	0.48	0.080	ug/L		12/27/11 07:55	01/05/12 07:44	10
delta-BHC	0.48	U	0.48	0.083	ug/L		12/27/11 07:55	01/05/12 07:44	10
Dieldrin	0.48	U	0.48	0.071	ug/L		12/27/11 07:55	01/05/12 07:44	10
Endosulfan I	0.48	U	0.48	0.12	ug/L		12/27/11 07:55	01/05/12 07:44	10
Endosulfan II	0.48	U	0.48	0.11	ug/L		12/27/11 07:55	01/05/12 07:44	10
Endosulfan sulfate	0.48	U	0.48	0.10	ug/L		12/27/11 07:55	01/05/12 07:44	10
Endrin	0.48	U	0.48	0.10	ug/L		12/27/11 07:55	01/05/12 07:44	10
Endrin aldehyde	0.48	U	0.48	0.10	ug/L		12/27/11 07:55	01/05/12 07:44	10
Endrin ketone	0.48	U	0.48	0.074	ug/L		12/27/11 07:55	01/05/12 07:44	10
gamma-BHC (Lindane)	0.48	U	0.48	0.061	ug/L		12/27/11 07:55	01/05/12 07:44	10
gamma-Chlordane	0.48	U	0.48	0.11	ug/L		12/27/11 07:55	01/05/12 07:44	10
Heptachlor	0.48	U	0.48	0.076	ug/L		12/27/11 07:55	01/05/12 07:44	10

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.48	U	0.48	0.068	ug/L		12/27/11 07:55	01/05/12 07:44	10
Methoxychlor	0.95	U	0.95	0.30	ug/L		12/27/11 07:55	01/05/12 07:44	10
Toxaphene	19	U	19	3.0	ug/L		12/27/11 07:55	01/05/12 07:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*10 - 145*	*12/27/11 07:55*	*01/05/12 07:44*	*10*
Tetrachloro-m-xylene	*195*	*X*	*30 - 141*	*12/27/11 07:55*	*01/05/12 07:44*	*10*

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

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.095	U	0.095	0.042	ug/L		12/28/11 07:55	12/29/11 11:13	1
Aroclor-1221	0.095	U	0.095	0.043	ug/L		12/28/11 07:55	12/29/11 11:13	1
Aroclor-1232	0.095	U	0.095	0.070	ug/L		12/28/11 07:55	12/29/11 11:13	1
Aroclor-1242	0.095	U	0.095	0.057	ug/L		12/28/11 07:55	12/29/11 11:13	1
Aroclor-1248	0.095	U	0.095	0.058	ug/L		12/28/11 07:55	12/29/11 11:13	1
Aroclor-1254	0.095	U	0.095	0.030	ug/L		12/28/11 07:55	12/29/11 11:13	1
Aroclor-1260	0.095	U	0.095	0.036	ug/L		12/28/11 07:55	12/29/11 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*35 - 137*	*12/28/11 07:55*	*12/29/11 11:13*	*1*
DCB Decachlorobiphenyl	*67*		*10 - 140*	*12/28/11 07:55*	*12/29/11 11:13*	*1*

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.096	U	0.096	0.042	ug/L		12/28/11 07:55	12/29/11 11:27	1
Aroclor-1221	0.096	U	0.096	0.043	ug/L		12/28/11 07:55	12/29/11 11:27	1
Aroclor-1232	0.096	U	0.096	0.070	ug/L		12/28/11 07:55	12/29/11 11:27	1
Aroclor-1242	0.096	U	0.096	0.058	ug/L		12/28/11 07:55	12/29/11 11:27	1
Aroclor-1248	0.096	U	0.096	0.059	ug/L		12/28/11 07:55	12/29/11 11:27	1
Aroclor-1254	0.096	U	0.096	0.031	ug/L		12/28/11 07:55	12/29/11 11:27	1
Aroclor-1260	0.096	U	0.096	0.037	ug/L		12/28/11 07:55	12/29/11 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*35 - 137*	*12/28/11 07:55*	*12/29/11 11:27*	*1*
DCB Decachlorobiphenyl	*31*		*10 - 140*	*12/28/11 07:55*	*12/29/11 11:27*	*1*

Method: 8151A - Herbicides (GC)

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	4.0	U	4.0	0.41	ug/L		12/27/11 08:21	12/28/11 11:32	1
2,4,5-T	1.0	U	1.0	0.30	ug/L		12/27/11 08:21	12/28/11 11:32	1
Silvex (2,4,5-TP)	1.0	U	1.0	0.20	ug/L		12/27/11 08:21	12/28/11 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*79*		*32 - 112*	*12/27/11 08:21*	*12/28/11 11:32*	*1*

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	4.0	U	4.0	0.41	ug/L		12/27/11 08:21	12/28/11 11:54	1
2,4,5-T	1.0	U	1.0	0.30	ug/L		12/27/11 08:21	12/28/11 11:54	1
Silvex (2,4,5-TP)	1.0	U	1.0	0.20	ug/L		12/27/11 08:21	12/28/11 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*85*		*32 - 112*	*12/27/11 08:21*	*12/28/11 11:54*	*1*

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

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	280	B	200	0.67	ug/L		12/30/11 13:54	01/03/12 11:13	1
Cadmium	2.0	U	2.0	0.66	ug/L		12/30/11 13:54	01/03/12 11:13	1
Chromium	5.0	U	5.0	2.2	ug/L		12/30/11 13:54	01/03/12 11:13	1
Silver	5.0	U	5.0	2.2	ug/L		12/30/11 13:54	01/03/12 11:13	1
Arsenic	10	U	10	3.2	ug/L		12/30/11 13:54	01/03/12 11:13	1
Lead	3.0	U	3.0	1.9	ug/L		12/30/11 13:54	01/03/12 11:13	1
Selenium	5.0	U	5.0	4.1	ug/L		12/30/11 13:54	01/03/12 11:13	1

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	260	B	200	0.67	ug/L		12/30/11 13:54	01/03/12 11:19	1
Cadmium	2.0	U	2.0	0.66	ug/L		12/30/11 13:54	01/03/12 11:19	1
Chromium	5.0	U	5.0	2.2	ug/L		12/30/11 13:54	01/03/12 11:19	1
Silver	5.0	U	5.0	2.2	ug/L		12/30/11 13:54	01/03/12 11:19	1
Arsenic	11		10	3.2	ug/L		12/30/11 13:54	01/03/12 11:19	1
Lead	3.0	U	3.0	1.9	ug/L		12/30/11 13:54	01/03/12 11:19	1
Selenium	5.0	U	5.0	4.1	ug/L		12/30/11 13:54	01/03/12 11:19	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		01/03/12 11:30	01/04/12 17:06	1

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		01/03/12 11:30	01/04/12 17:07	1

General Chemistry

Client Sample ID: WG-122211-KH-037
Date Collected: 12/22/11 11:10
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			12/29/11 09:28	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/27/11 11:54	12/27/11 16:37	1
Sulfide	3.0	U	3.0	0.94	mg/L		12/27/11 10:21	12/27/11 15:13	1
pH	7.5	H	0.10	0.10	SU			12/23/11 15:43	1

Client Sample ID: WG-122211-KH-038
Date Collected: 12/22/11 11:15
Date Received: 12/23/11 11:00

Lab Sample ID: 240-7224-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			12/29/11 09:28	1
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/27/11 11:54	12/27/11 16:37	1
Sulfide	3.0	U	3.0	0.94	mg/L		12/27/11 10:21	12/27/11 15:13	1
pH	7.3	H	0.10	0.10	SU			12/23/11 15:43	1

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (63-129)	BFB (66-117)	TOL (74-115)	DBFM (75-121)
240-7224-1	WG-122211-KH-037	105	93	94	101
240-7224-2	WG-122211-KH-038	112	93	100	104
240-7224-3	TB-122211-KH-039	115	84	97	103
LCS 240-28827/4	Lab Control Sample	111	103	102	97
LCS 240-29013/4	Lab Control Sample	102	106	102	104
MB 240-28827/5	Method Blank	110	91	96	98
MB 240-29013/5	Method Blank	105	95	98	101

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: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	FBP (28-110)	2FP (10-110)	TBP (22-120)	NBZ (27-111)	PHL (10-110)	TPH (37-119)
240-7224-1	WG-122211-KH-037	72	83	91	86	89	91
240-7224-2	WG-122211-KH-038	75	78	83	86	107	51
LCS 240-28150/8-A	Lab Control Sample	68	77	79	81	92	87
MB 240-28150/7-A	Method Blank	71	76	75	88	81	90

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: 8015B - Gasoline Range Organics - (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TFT2 (10-150)
240-7224-1	WG-122211-KH-037	94
240-7224-1 MS	WG-122211-KH-037	106
240-7224-1 MSD	WG-122211-KH-037	101
240-7224-2	WG-122211-KH-038	104
240-7224-2 MS	WG-122211-KH-038	101
240-7224-2 MSD	WG-122211-KH-038	105
LCS 240-29130/19	Lab Control Sample	106
LCS 240-29136/12	Lab Control Sample	108
MB 240-29130/18	Method Blank	97
MB 240-29136/11	Method Blank	104

Surrogate Legend

TFT = Trifluorotoluene (Surr)

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	C91 (10-110)
240-7224-1	WG-122211-KH-037	64
240-7224-2	WG-122211-KH-038	80
LCS 240-28324/4-A	Lab Control Sample	80
MB 240-28324/3-A	Method Blank	72

Surrogate Legend

C9 = n-Nonane

Method: 8081A - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCB1 (10-145)	DCB2 (10-145)	TCX1 (30-141)	TCX2 (30-141)
240-7224-1	WG-122211-KH-037	90	95	101	106
240-7224-2	WG-122211-KH-038	99	101	858 X	195 X
LCS 240-28153/12-A	Lab Control Sample	48	38	91	100
MB 240-28153/11-A	Method Blank	94	94	87	96

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (35-137)	DCB2 (10-140)
240-7224-1	WG-122211-KH-037	88	67
240-7224-2	WG-122211-KH-038	63	31
LCS 240-28323/4-A	Lab Control Sample	85	89
MB 240-28323/3-A	Method Blank	89	89

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPA1 (32-112)	DCPA2 (32-112)
240-7224-1	WG-122211-KH-037	82	79
240-7224-2	WG-122211-KH-038	80	85
LCS 240-28159/10-A	Lab Control Sample	89	88
MB 240-28159/9-A	Method Blank	80	67

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

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

Lab Sample ID: MB 240-28827/5
Matrix: Water
Analysis Batch: 28827

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			01/03/12 09:19	1
Benzene	1.0	U	1.0	0.13	ug/L			01/03/12 09:19	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			01/03/12 09:19	1
Bromoform	1.0	U	1.0	0.64	ug/L			01/03/12 09:19	1
Bromomethane	1.0	U	1.0	0.41	ug/L			01/03/12 09:19	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			01/03/12 09:19	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			01/03/12 09:19	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			01/03/12 09:19	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			01/03/12 09:19	1
Chloroethane	1.0	U	1.0	0.29	ug/L			01/03/12 09:19	1
Chloroform	1.0	U	1.0	0.16	ug/L			01/03/12 09:19	1
Chloromethane	1.0	U	1.0	0.30	ug/L			01/03/12 09:19	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			01/03/12 09:19	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			01/03/12 09:19	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			01/03/12 09:19	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			01/03/12 09:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			01/03/12 09:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			01/03/12 09:19	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			01/03/12 09:19	1
2-Hexanone	10	U	10	0.41	ug/L			01/03/12 09:19	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			01/03/12 09:19	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			01/03/12 09:19	1
Styrene	1.0	U	1.0	0.11	ug/L			01/03/12 09:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			01/03/12 09:19	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			01/03/12 09:19	1
Toluene	1.0	U	1.0	0.13	ug/L			01/03/12 09:19	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			01/03/12 09:19	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			01/03/12 09:19	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			01/03/12 09:19	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			01/03/12 09:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			01/03/12 09:19	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			01/03/12 09:19	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			01/03/12 09:19	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			01/03/12 09:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/03/12 09:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			01/03/12 09:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			01/03/12 09:19	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			01/03/12 09:19	1
Methyl acetate	10	U	10	0.38	ug/L			01/03/12 09:19	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			01/03/12 09:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			01/03/12 09:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			01/03/12 09:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			01/03/12 09:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			01/03/12 09:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			01/03/12 09:19	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			01/03/12 09:19	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			01/03/12 09:19	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			01/03/12 09:19	1

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

Lab Sample ID: MB 240-28827/5
Matrix: Water
Analysis Batch: 28827

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		63 - 129		01/03/12 09:19	1
4-Bromofluorobenzene (Surr)	91		66 - 117		01/03/12 09:19	1
Toluene-d8 (Surr)	96		74 - 115		01/03/12 09:19	1
Dibromofluoromethane (Surr)	98		75 - 121		01/03/12 09:19	1

Lab Sample ID: LCS 240-28827/4
Matrix: Water
Analysis Batch: 28827

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	17.6		ug/L		88	43 - 136
Benzene	10.0	9.88		ug/L		99	83 - 112
Dichlorobromomethane	10.0	10.4		ug/L		104	72 - 121
Bromoform	10.0	8.55		ug/L		86	40 - 131
Bromomethane	10.0	8.64		ug/L		86	11 - 185
2-Butanone (MEK)	20.0	20.9		ug/L		105	60 - 126
Carbon disulfide	10.0	9.68		ug/L		97	62 - 142
Carbon tetrachloride	10.0	10.9		ug/L		109	66 - 128
Chlorobenzene	10.0	9.48		ug/L		95	85 - 110
Chloroethane	10.0	8.54		ug/L		85	25 - 153
Chloroform	10.0	10.1		ug/L		101	79 - 117
Chloromethane	10.0	7.54		ug/L		75	44 - 126
1,1-Dichloroethane	10.0	10.1		ug/L		101	82 - 115
1,2-Dichloroethane	10.0	11.4		ug/L		114	71 - 127
1,1-Dichloroethene	10.0	10.2		ug/L		102	78 - 131
1,2-Dichloropropane	10.0	9.97		ug/L		100	81 - 115
cis-1,3-Dichloropropene	10.0	9.55		ug/L		96	61 - 115
trans-1,3-Dichloropropene	10.0	10.4		ug/L		104	58 - 117
Ethylbenzene	10.0	9.66		ug/L		97	83 - 112
2-Hexanone	20.0	25.9		ug/L		130	55 - 133
Methylene Chloride	10.0	10.8		ug/L		108	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	24.0		ug/L		120	63 - 128
Styrene	10.0	9.84		ug/L		98	79 - 114
1,1,2,2-Tetrachloroethane	10.0	10.9		ug/L		109	68 - 118
Tetrachloroethene	10.0	8.78		ug/L		88	79 - 114
Toluene	10.0	10.1		ug/L		101	84 - 111
Trichloroethene	10.0	9.20		ug/L		92	76 - 117
Vinyl chloride	10.0	7.76		ug/L		78	53 - 127
Xylenes, Total	30.0	28.8		ug/L		96	83 - 112
1,1,1-Trichloroethane	10.0	9.94		ug/L		99	74 - 118
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	80 - 112
Cyclohexane	10.0	10.3		ug/L		103	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	9.64		ug/L		96	42 - 136
Ethylene Dibromide	10.0	9.97		ug/L		100	79 - 113
Dichlorodifluoromethane	10.0	7.35		ug/L		74	19 - 129
cis-1,2-Dichloroethene	10.0	9.32		ug/L		93	80 - 113
trans-1,2-Dichloroethene	10.0	9.58		ug/L		96	83 - 117
Isopropylbenzene	10.0	9.48		ug/L		95	75 - 114
Methyl acetate	10.0	10.2		ug/L		102	58 - 131

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

Lab Sample ID: LCS 240-28827/4
Matrix: Water
Analysis Batch: 28827

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	10.0	9.80		ug/L		98	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.8		ug/L		118	74 - 151
1,2,4-Trichlorobenzene	10.0	7.39		ug/L		74	48 - 135
1,2-Dichlorobenzene	10.0	9.01		ug/L		90	81 - 110
1,3-Dichlorobenzene	10.0	9.15		ug/L		92	80 - 110
1,4-Dichlorobenzene	10.0	8.96		ug/L		90	82 - 110
Trichlorofluoromethane	10.0	10.6		ug/L		106	49 - 157
Chlorodibromomethane	10.0	10.2		ug/L		102	64 - 119
Methylcyclohexane	10.0	10.3		ug/L		103	56 - 127
m-Xylene & p-Xylene	20.0	19.5		ug/L		98	83 - 113
o-Xylene	10.0	9.33		ug/L		93	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*63 - 129*
4-Bromofluorobenzene (Surr)	*103*		*66 - 117*
Toluene-d8 (Surr)	*102*		*74 - 115*
Dibromofluoromethane (Surr)	*97*		*75 - 121*

Lab Sample ID: MB 240-29013/5
Matrix: Water
Analysis Batch: 29013

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			01/04/12 13:22	1
Benzene	1.0	U	1.0	0.13	ug/L			01/04/12 13:22	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			01/04/12 13:22	1
Bromoform	1.0	U	1.0	0.64	ug/L			01/04/12 13:22	1
Bromomethane	1.0	U	1.0	0.41	ug/L			01/04/12 13:22	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			01/04/12 13:22	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			01/04/12 13:22	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			01/04/12 13:22	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			01/04/12 13:22	1
Chloroethane	1.0	U	1.0	0.29	ug/L			01/04/12 13:22	1
Chloroform	1.0	U	1.0	0.16	ug/L			01/04/12 13:22	1
Chloromethane	1.0	U	1.0	0.30	ug/L			01/04/12 13:22	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			01/04/12 13:22	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			01/04/12 13:22	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			01/04/12 13:22	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			01/04/12 13:22	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			01/04/12 13:22	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			01/04/12 13:22	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			01/04/12 13:22	1
2-Hexanone	10	U	10	0.41	ug/L			01/04/12 13:22	1
Methylene Chloride	0.588	J	1.0	0.33	ug/L			01/04/12 13:22	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			01/04/12 13:22	1
Styrene	1.0	U	1.0	0.11	ug/L			01/04/12 13:22	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			01/04/12 13:22	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			01/04/12 13:22	1
Toluene	1.0	U	1.0	0.13	ug/L			01/04/12 13:22	1

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

Lab Sample ID: MB 240-29013/5
Matrix: Water
Analysis Batch: 29013

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.17	ug/L			01/04/12 13:22	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			01/04/12 13:22	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			01/04/12 13:22	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			01/04/12 13:22	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			01/04/12 13:22	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			01/04/12 13:22	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			01/04/12 13:22	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			01/04/12 13:22	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/04/12 13:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			01/04/12 13:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			01/04/12 13:22	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			01/04/12 13:22	1
Methyl acetate	10	U	10	0.38	ug/L			01/04/12 13:22	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			01/04/12 13:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			01/04/12 13:22	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			01/04/12 13:22	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			01/04/12 13:22	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			01/04/12 13:22	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			01/04/12 13:22	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			01/04/12 13:22	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			01/04/12 13:22	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			01/04/12 13:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*63 - 129*		*01/04/12 13:22*	*1*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*		*01/04/12 13:22*	*1*
Toluene-d8 (Surr)	*98*		*74 - 115*		*01/04/12 13:22*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 121*		*01/04/12 13:22*	*1*

Lab Sample ID: LCS 240-29013/4
Matrix: Water
Analysis Batch: 29013

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	17.1		ug/L		86	43 - 136
Benzene	10.0	10.2		ug/L		102	83 - 112
Dichlorobromomethane	10.0	10.0		ug/L		100	72 - 121
Bromoform	10.0	9.24		ug/L		92	40 - 131
Bromomethane	10.0	10.5		ug/L		105	11 - 185
2-Butanone (MEK)	20.0	18.2		ug/L		91	60 - 126
Carbon disulfide	10.0	10.8		ug/L		108	62 - 142
Carbon tetrachloride	10.0	11.2		ug/L		112	66 - 128
Chlorobenzene	10.0	10.3		ug/L		103	85 - 110
Chloroethane	10.0	10.3		ug/L		103	25 - 153
Chloroform	10.0	10.8		ug/L		108	79 - 117
Chloromethane	10.0	10.0		ug/L		100	44 - 126
1,1-Dichloroethane	10.0	10.8		ug/L		108	82 - 115
1,2-Dichloroethane	10.0	10.7		ug/L		107	71 - 127
1,1-Dichloroethene	10.0	11.2		ug/L		112	78 - 131

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

Lab Sample ID: LCS 240-29013/4
Matrix: Water
Analysis Batch: 29013

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	10.0	10.2		ug/L		102	81 - 115
cis-1,3-Dichloropropene	10.0	9.11		ug/L		91	61 - 115
trans-1,3-Dichloropropene	10.0	9.76		ug/L		98	58 - 117
Ethylbenzene	10.0	10.2		ug/L		102	83 - 112
2-Hexanone	20.0	21.4		ug/L		107	55 - 133
Methylene Chloride	10.0	10.4		ug/L		104	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	21.5		ug/L		108	63 - 128
Styrene	10.0	10.8		ug/L		108	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.67		ug/L		97	68 - 118
Tetrachloroethene	10.0	10.3		ug/L		103	79 - 114
Toluene	10.0	10.1		ug/L		101	84 - 111
Trichloroethene	10.0	10.1		ug/L		101	76 - 117
Vinyl chloride	10.0	9.68		ug/L		97	53 - 127
Xylenes, Total	30.0	32.0		ug/L		107	83 - 112
1,1,1-Trichloroethane	10.0	11.0		ug/L		110	74 - 118
1,1,2-Trichloroethane	10.0	10.0		ug/L		100	80 - 112
Cyclohexane	10.0	11.2		ug/L		112	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	9.01		ug/L		90	42 - 136
Ethylene Dibromide	10.0	10.0		ug/L		100	79 - 113
Dichlorodifluoromethane	10.0	9.21		ug/L		92	19 - 129
cis-1,2-Dichloroethene	10.0	10.4		ug/L		104	80 - 113
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	83 - 117
Isopropylbenzene	10.0	10.5		ug/L		105	75 - 114
Methyl acetate	10.0	9.25	J	ug/L		93	58 - 131
Methyl tert-butyl ether	10.0	10.2		ug/L		102	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.6		ug/L		116	74 - 151
1,2,4-Trichlorobenzene	10.0	9.27		ug/L		93	48 - 135
1,2-Dichlorobenzene	10.0	10.0		ug/L		100	81 - 110
1,3-Dichlorobenzene	10.0	9.78		ug/L		98	80 - 110
1,4-Dichlorobenzene	10.0	9.97		ug/L		100	82 - 110
Trichlorofluoromethane	10.0	12.2		ug/L		122	49 - 157
Chlorodibromomethane	10.0	10.4		ug/L		104	64 - 119
Methylcyclohexane	10.0	11.4		ug/L		114	56 - 127
m-Xylene & p-Xylene	20.0	21.1		ug/L		106	83 - 113
o-Xylene	10.0	10.9		ug/L		109	83 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 129*
4-Bromofluorobenzene (Surr)	*106*		*66 - 117*
Toluene-d8 (Surr)	*102*		*74 - 115*
Dibromofluoromethane (Surr)	*104*		*75 - 121*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

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

Lab Sample ID: MB 240-28150/7-A
Matrix: Water
Analysis Batch: 28949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
bis (2-chloroisopropyl) ether	1.0	U	1.0	0.40	ug/L		12/27/11 07:51	01/04/12 11:45	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.30	ug/L		12/27/11 07:51	01/04/12 11:45	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
2,4-Dichlorophenol	2.0	U	2.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
2,4-Dimethylphenol	2.0	U	2.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
2,4-Dinitrophenol	5.0	U	5.0	2.4	ug/L		12/27/11 07:51	01/04/12 11:45	1
2,4-Dinitrotoluene	5.0	U	5.0	0.27	ug/L		12/27/11 07:51	01/04/12 11:45	1
2,6-Dinitrotoluene	5.0	U	5.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
2-Chloronaphthalene	1.0	U	1.0	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
2-Chlorophenol	1.0	U	1.0	0.29	ug/L		12/27/11 07:51	01/04/12 11:45	1
2-Methylnaphthalene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
2-Methylphenol	1.0	U	1.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
2-Nitroaniline	2.0	U	2.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
2-Nitrophenol	2.0	U	2.0	0.28	ug/L		12/27/11 07:51	01/04/12 11:45	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.37	ug/L		12/27/11 07:51	01/04/12 11:45	1
3-Nitroaniline	2.0	U	2.0	0.28	ug/L		12/27/11 07:51	01/04/12 11:45	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	2.4	ug/L		12/27/11 07:51	01/04/12 11:45	1
4-Bromophenyl phenyl ether	2.0	U	2.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
4-Chloro-3-methylphenol	2.0	U	2.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
4-Chloroaniline	2.0	U	2.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
4-Chlorophenyl phenyl ether	2.0	U	2.0	0.30	ug/L		12/27/11 07:51	01/04/12 11:45	1
4-Nitroaniline	2.0	U	2.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
4-Nitrophenol	5.0	U	5.0	2.4	ug/L		12/27/11 07:51	01/04/12 11:45	1
Acenaphthene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Acenaphthylene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Acetophenone	1.0	U	1.0	0.34	ug/L		12/27/11 07:51	01/04/12 11:45	1
Anthracene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Atrazine	1.0	U	1.0	0.34	ug/L		12/27/11 07:51	01/04/12 11:45	1
Benzaldehyde	1.0	U	1.0	0.39	ug/L		12/27/11 07:51	01/04/12 11:45	1
Benzo[a]anthracene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Benzo[a]pyrene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Benzo[b]fluoranthene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Benzo[g,h,i]perylene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Benzo[k]fluoranthene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.32	ug/L		12/27/11 07:51	01/04/12 11:45	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
Butyl benzyl phthalate	1.0	U	1.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
Caprolactam	5.0	U	5.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
Carbazole	1.0	U	1.0	0.28	ug/L		12/27/11 07:51	01/04/12 11:45	1
Chrysene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Dibenz(a,h)anthracene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Dibenzofuran	1.0	U	1.0	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Diethyl phthalate	1.0	U	1.0	0.60	ug/L		12/27/11 07:51	01/04/12 11:45	1
Dimethyl phthalate	1.0	U	1.0	0.29	ug/L		12/27/11 07:51	01/04/12 11:45	1
Di-n-butyl phthalate	1.0	U	1.0	0.67	ug/L		12/27/11 07:51	01/04/12 11:45	1
Di-n-octyl phthalate	1.0	U	1.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
Fluoranthene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1

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

Lab Sample ID: MB 240-28150/7-A
Matrix: Water
Analysis Batch: 28949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Hexachlorobenzene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Hexachlorobutadiene	1.0	U	1.0	0.27	ug/L		12/27/11 07:51	01/04/12 11:45	1
Hexachlorocyclopentadiene	10	U	10	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
Hexachloroethane	1.0	U	1.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Isophorone	1.0	U	1.0	0.27	ug/L		12/27/11 07:51	01/04/12 11:45	1
Naphthalene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Nitrobenzene	1.0	U	1.0	0.040	ug/L		12/27/11 07:51	01/04/12 11:45	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.80	ug/L		12/27/11 07:51	01/04/12 11:45	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.31	ug/L		12/27/11 07:51	01/04/12 11:45	1
Pentachlorophenol	5.0	U	5.0	2.4	ug/L		12/27/11 07:51	01/04/12 11:45	1
Phenol	1.0	U	1.0	0.60	ug/L		12/27/11 07:51	01/04/12 11:45	1
Phenanthrene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
Pyrene	0.20	U	0.20	0.10	ug/L		12/27/11 07:51	01/04/12 11:45	1
3 & 4 Methylphenol	2.0	U	2.0	0.75	ug/L		12/27/11 07:51	01/04/12 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*28 - 110*	*12/27/11 07:51*	*01/04/12 11:45*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 110*	*12/27/11 07:51*	*01/04/12 11:45*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*22 - 120*	*12/27/11 07:51*	*01/04/12 11:45*	*1*
Nitrobenzene-d5 (Surr)	*88*		*27 - 111*	*12/27/11 07:51*	*01/04/12 11:45*	*1*
Phenol-d5 (Surr)	*81*		*10 - 110*	*12/27/11 07:51*	*01/04/12 11:45*	*1*
Terphenyl-d14 (Surr)	*90*		*37 - 119*	*12/27/11 07:51*	*01/04/12 11:45*	*1*

Lab Sample ID: LCS 240-28150/8-A
Matrix: Water
Analysis Batch: 28949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	14.3		ug/L		72	50 - 130
bis (2-chloroisopropyl) ether	20.0	18.1		ug/L		91	25 - 128
2,4,5-Trichlorophenol	20.0	14.8		ug/L		74	39 - 110
2,4,6-Trichlorophenol	20.0	14.6		ug/L		73	35 - 110
2,4-Dichlorophenol	20.0	15.4		ug/L		77	33 - 110
2,4-Dimethylphenol	20.0	14.1		ug/L		71	12 - 110
2,4-Dinitrophenol	20.0	8.26		ug/L		41	17 - 112
2,4-Dinitrotoluene	20.0	17.3		ug/L		87	52 - 123
2,6-Dinitrotoluene	20.0	17.2		ug/L		86	52 - 119
2-Chloronaphthalene	20.0	13.7		ug/L		68	39 - 110
2-Chlorophenol	20.0	15.9		ug/L		79	27 - 110
2-Methylnaphthalene	20.0	15.0		ug/L		75	35 - 110
2-Methylphenol	20.0	18.0		ug/L		90	30 - 110
2-Nitroaniline	20.0	16.8		ug/L		84	43 - 130
2-Nitrophenol	20.0	15.3		ug/L		77	29 - 110
3,3'-Dichlorobenzidine	20.0	9.82		ug/L		49	19 - 110
3-Nitroaniline	20.0	15.1		ug/L		75	45 - 116
4,6-Dinitro-2-methylphenol	20.0	14.3		ug/L		71	28 - 112
4-Bromophenyl phenyl ether	20.0	14.6		ug/L		73	51 - 114

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

Lab Sample ID: LCS 240-28150/8-A
Matrix: Water
Analysis Batch: 28949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	20.0	17.7		ug/L		88	39 - 110
4-Chloroaniline	20.0	13.5		ug/L		67	10 - 110
4-Chlorophenyl phenyl ether	20.0	14.9		ug/L		75	50 - 115
4-Nitroaniline	20.0	15.6		ug/L		78	45 - 120
4-Nitrophenol	20.0	18.6		ug/L		93	12 - 130
Acenaphthene	20.0	14.4		ug/L		72	40 - 110
Acenaphthylene	20.0	15.3		ug/L		77	43 - 110
Acetophenone	20.0	19.7		ug/L		99	50 - 130
Anthracene	20.0	16.1		ug/L		80	54 - 114
Atrazine	20.0	18.9		ug/L		94	50 - 130
Benzaldehyde	20.0	19.0		ug/L		95	10 - 130
Benzo[a]anthracene	20.0	15.4		ug/L		77	55 - 115
Benzo[a]pyrene	20.0	13.1		ug/L		65	43 - 116
Benzo[b]fluoranthene	20.0	14.4		ug/L		72	43 - 122
Benzo[g,h,i]perylene	20.0	15.5		ug/L		77	45 - 120
Benzo[k]fluoranthene	20.0	16.9		ug/L		85	43 - 124
Bis(2-chloroethoxy)methane	20.0	16.5		ug/L		82	39 - 110
Bis(2-chloroethyl)ether	20.0	18.5		ug/L		92	34 - 113
Bis(2-ethylhexyl) phthalate	20.0	16.4		ug/L		82	36 - 163
Butyl benzyl phthalate	20.0	16.7		ug/L		84	53 - 126
Caprolactam	20.0	17.0		ug/L		85	50 - 130
Carbazole	20.0	16.4		ug/L		82	53 - 120
Chrysene	20.0	17.1		ug/L		85	55 - 115
Dibenz(a,h)anthracene	20.0	15.8		ug/L		79	46 - 122
Dibenzofuran	20.0	14.9		ug/L		74	46 - 111
Diethyl phthalate	20.0	16.8		ug/L		84	33 - 134
Dimethyl phthalate	20.0	16.7		ug/L		83	15 - 143
Di-n-butyl phthalate	20.0	17.8		ug/L		89	55 - 122
Di-n-octyl phthalate	20.0	16.6		ug/L		83	44 - 128
Fluoranthene	20.0	16.9		ug/L		85	54 - 122
Fluorene	20.0	15.6		ug/L		78	47 - 112
Hexachlorobenzene	20.0	14.6		ug/L		73	51 - 112
Hexachlorobutadiene	20.0	13.2		ug/L		66	13 - 110
Hexachlorocyclopentadiene	20.0	7.44	J	ug/L		37	10 - 110
Hexachloroethane	20.0	13.5		ug/L		67	12 - 110
Indeno[1,2,3-cd]pyrene	20.0	15.3		ug/L		76	46 - 121
Isophorone	20.0	17.3		ug/L		87	44 - 128
Naphthalene	20.0	15.0		ug/L		75	31 - 110
Nitrobenzene	20.0	16.6		ug/L		83	37 - 115
N-Nitrosodi-n-propylamine	20.0	20.6		ug/L		103	37 - 121
N-Nitrosodiphenylamine	20.0	14.5		ug/L		72	53 - 113
Pentachlorophenol	20.0	10.2		ug/L		51	26 - 110
Phenol	20.0	17.7		ug/L		89	14 - 112
Phenanthrene	20.0	16.4		ug/L		82	52 - 114
Pyrene	20.0	16.2		ug/L		81	55 - 120
3 & 4 Methylphenol	40.0	38.8		ug/L		97	32 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*68*		*28 - 110*

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

Lab Sample ID: LCS 240-28150/8-A
Matrix: Water
Analysis Batch: 28949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	77		10 - 110
2,4,6-Tribromophenol (Surr)	79		22 - 120
Nitrobenzene-d5 (Surr)	81		27 - 111
Phenol-d5 (Surr)	92		10 - 110
Terphenyl-d14 (Surr)	87		37 - 119

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 240-29130/18
Matrix: Water
Analysis Batch: 29130

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	33.4	J	100	25	ug/L			01/04/12 20:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	97		10 - 150		01/04/12 20:08	1

Lab Sample ID: LCS 240-29130/19
Matrix: Water
Analysis Batch: 29130

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	800	729		ug/L		91	72 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	106		10 - 150

Lab Sample ID: 240-7224-2 MS
Matrix: Water
Analysis Batch: 29130

Client Sample ID: WG-122211-KH-038
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	5800	B	8000	13100		ug/L		91	63 - 143

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	101		10 - 150

Lab Sample ID: 240-7224-2 MSD
Matrix: Water
Analysis Batch: 29130

Client Sample ID: WG-122211-KH-038
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	5800	B	8000	13300		ug/L		93	63 - 143	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	105		10 - 150

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 240-29136/11
Matrix: Water
Analysis Batch: 29136

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	29.3	J	100	25	ug/L			01/05/12 16:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*104*		*10 - 150*		*01/05/12 16:44*	*1*

Lab Sample ID: LCS 240-29136/12
Matrix: Water
Analysis Batch: 29136

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	800	785		ug/L		98	72 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*108*		*10 - 150*

Lab Sample ID: 240-7224-1 MS
Matrix: Water
Analysis Batch: 29136

Client Sample ID: WG-122211-KH-037
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	39	J B	1600	1660		ug/L		101	63 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*106*		*10 - 150*

Lab Sample ID: 240-7224-1 MSD
Matrix: Water
Analysis Batch: 29136

Client Sample ID: WG-122211-KH-037
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	39	J B	1600	1680		ug/L		103	63 - 143	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*101*		*10 - 150*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-28324/3-A
Matrix: Water
Analysis Batch: 28500

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	500	U	500	240	ug/L		12/28/11 07:57	12/29/11 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*72*		*10 - 110*	*12/28/11 07:57*	*12/29/11 10:35*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 240-28324/4-A
Matrix: Water
Analysis Batch: 28500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel	2500	2260		ug/L		90	36 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Nonane	*80*		*10 - 110*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 240-28153/11-A
Matrix: Water
Analysis Batch: 28400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0096	ug/L		12/27/11 07:55	12/28/11 20:27	1
4,4'-DDE	0.050	U	0.050	0.0097	ug/L		12/27/11 07:55	12/28/11 20:27	1
4,4'-DDT	0.050	U	0.050	0.016	ug/L		12/27/11 07:55	12/28/11 20:27	1
Aldrin	0.050	U	0.050	0.0082	ug/L		12/27/11 07:55	12/28/11 20:27	1
alpha-BHC	0.050	U	0.050	0.0070	ug/L		12/27/11 07:55	12/28/11 20:27	1
alpha-Chlordane	0.050	U	0.050	0.014	ug/L		12/27/11 07:55	12/28/11 20:27	1
beta-BHC	0.050	U	0.050	0.0084	ug/L		12/27/11 07:55	12/28/11 20:27	1
delta-BHC	0.050	U	0.050	0.0087	ug/L		12/27/11 07:55	12/28/11 20:27	1
Dieldrin	0.050	U	0.050	0.0075	ug/L		12/27/11 07:55	12/28/11 20:27	1
Endosulfan I	0.050	U	0.050	0.013	ug/L		12/27/11 07:55	12/28/11 20:27	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		12/27/11 07:55	12/28/11 20:27	1
Endosulfan sulfate	0.050	U	0.050	0.011	ug/L		12/27/11 07:55	12/28/11 20:27	1
Endrin	0.050	U	0.050	0.011	ug/L		12/27/11 07:55	12/28/11 20:27	1
Endrin aldehyde	0.050	U	0.050	0.011	ug/L		12/27/11 07:55	12/28/11 20:27	1
Endrin ketone	0.050	U	0.050	0.0078	ug/L		12/27/11 07:55	12/28/11 20:27	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0064	ug/L		12/27/11 07:55	12/28/11 20:27	1
gamma-Chlordane	0.050	U	0.050	0.012	ug/L		12/27/11 07:55	12/28/11 20:27	1
Heptachlor	0.050	U	0.050	0.0080	ug/L		12/27/11 07:55	12/28/11 20:27	1
Heptachlor epoxide	0.050	U	0.050	0.0071	ug/L		12/27/11 07:55	12/28/11 20:27	1
Methoxychlor	0.10	U	0.10	0.032	ug/L		12/27/11 07:55	12/28/11 20:27	1
Toxaphene	2.0	U	2.0	0.32	ug/L		12/27/11 07:55	12/28/11 20:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*10 - 145*	*12/27/11 07:55*	*12/28/11 20:27*	*1*
Tetrachloro-m-xylene	*87*		*30 - 141*	*12/27/11 07:55*	*12/28/11 20:27*	*1*

Lab Sample ID: LCS 240-28153/12-A
Matrix: Water
Analysis Batch: 28400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28153

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	1.00	1.13		ug/L		113	53 - 168
4,4'-DDE	1.00	1.14		ug/L		114	66 - 136
4,4'-DDT	1.00	0.925		ug/L		93	42 - 140
Aldrin	1.00	1.14		ug/L		114	61 - 127
alpha-BHC	1.00	1.18		ug/L		118	65 - 132
alpha-Chlordane	1.00	1.09		ug/L		109	60 - 134

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 240-28153/12-A
Matrix: Water
Analysis Batch: 28400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28153

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	1.00	1.06		ug/L		106	59 - 134
delta-BHC	1.00	1.04		ug/L		104	45 - 143
Dieldrin	1.00	1.14		ug/L		114	61 - 142
Endosulfan I	1.00	0.880		ug/L		88	35 - 110
Endosulfan II	1.00	0.858		ug/L		86	39 - 110
Endosulfan sulfate	1.00	0.973		ug/L		97	54 - 143
Endrin	1.00	1.11		ug/L		111	57 - 148
Endrin aldehyde	1.00	0.973		ug/L		97	44 - 116
Endrin ketone	1.00	0.930		ug/L		93	52 - 135
gamma-BHC (Lindane)	1.00	1.13		ug/L		113	58 - 140
gamma-Chlordane	1.00	1.09		ug/L		109	59 - 139
Heptachlor	1.00	0.961		ug/L		96	60 - 132
Heptachlor epoxide	1.00	1.12		ug/L		112	60 - 138
Methoxychlor	1.00	0.982		ug/L		98	45 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*48*		*10 - 145*
Tetrachloro-m-xylene	*91*		*30 - 141*

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

Lab Sample ID: MB 240-28323/3-A
Matrix: Water
Analysis Batch: 28468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28323

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.10	U	0.10	0.044	ug/L		12/28/11 07:55	12/29/11 11:56	1
Aroclor-1221	0.10	U	0.10	0.045	ug/L		12/28/11 07:55	12/29/11 11:56	1
Aroclor-1232	0.10	U	0.10	0.073	ug/L		12/28/11 07:55	12/29/11 11:56	1
Aroclor-1242	0.10	U	0.10	0.060	ug/L		12/28/11 07:55	12/29/11 11:56	1
Aroclor-1248	0.10	U	0.10	0.061	ug/L		12/28/11 07:55	12/29/11 11:56	1
Aroclor-1254	0.10	U	0.10	0.032	ug/L		12/28/11 07:55	12/29/11 11:56	1
Aroclor-1260	0.10	U	0.10	0.038	ug/L		12/28/11 07:55	12/29/11 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*35 - 137*	*12/28/11 07:55*	*12/29/11 11:56*	*1*
DCB Decachlorobiphenyl	*89*		*10 - 140*	*12/28/11 07:55*	*12/29/11 11:56*	*1*

Lab Sample ID: LCS 240-28323/4-A
Matrix: Water
Analysis Batch: 28468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	10.0	8.90		ug/L		89	56 - 130
Aroclor-1260	10.0	9.59		ug/L		96	43 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*35 - 137*

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

Lab Sample ID: LCS 240-28323/4-A
Matrix: Water
Analysis Batch: 28468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28323

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	89		10 - 140

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 240-28159/9-A
Matrix: Water
Analysis Batch: 28268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	4.0	U	4.0	0.41	ug/L		12/27/11 08:21	12/28/11 10:48	1
2,4,5-T	1.0	U	1.0	0.30	ug/L		12/27/11 08:21	12/28/11 10:48	1
Silvex (2,4,5-TP)	1.0	U	1.0	0.20	ug/L		12/27/11 08:21	12/28/11 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		32 - 112	12/27/11 08:21	12/28/11 10:48	1

Lab Sample ID: LCS 240-28159/10-A
Matrix: Water
Analysis Batch: 28268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	40.0	38.3		ug/L		96	35 - 110
2,4,5-T	10.0	9.32		ug/L		93	34 - 121
Silvex (2,4,5-TP)	10.0	9.20		ug/L		92	41 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	88		32 - 112

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-28743/1-A
Matrix: Water
Analysis Batch: 28860

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 28743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1.50	J	200	0.67	ug/L		12/30/11 13:54	01/03/12 09:45	1
Cadmium	2.0	U	2.0	0.66	ug/L		12/30/11 13:54	01/03/12 09:45	1
Chromium	5.0	U	5.0	2.2	ug/L		12/30/11 13:54	01/03/12 09:45	1
Silver	5.0	U	5.0	2.2	ug/L		12/30/11 13:54	01/03/12 09:45	1
Arsenic	10	U	10	3.2	ug/L		12/30/11 13:54	01/03/12 09:45	1
Lead	3.0	U	3.0	1.9	ug/L		12/30/11 13:54	01/03/12 09:45	1
Selenium	5.0	U	5.0	4.1	ug/L		12/30/11 13:54	01/03/12 09:45	1

Lab Sample ID: LCS 240-28743/2-A
Matrix: Water
Analysis Batch: 28860

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 28743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	2030		ug/L		101	80 - 120

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

Lab Sample ID: LCS 240-28743/2-A
Matrix: Water
Analysis Batch: 28860

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 28743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	49.3		ug/L		99	80 - 120
Chromium	200	197		ug/L		99	80 - 120
Silver	50.0	49.4		ug/L		99	80 - 120
Arsenic	2000	1950		ug/L		98	80 - 120
Lead	500	487		ug/L		97	80 - 120
Selenium	2000	1920		ug/L		96	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-28867/1-A
Matrix: Water
Analysis Batch: 29114

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28867

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		01/03/12 11:30	01/04/12 16:48	1

Lab Sample ID: LCS 240-28867/2-A
Matrix: Water
Analysis Batch: 29114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.60		ug/L		92	81 - 123

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 240-28515/1
Matrix: Water
Analysis Batch: 28515

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97 - 103

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

Lab Sample ID: MB 240-28237/8-A
Matrix: Water
Analysis Batch: 28287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/27/11 11:54	12/27/11 16:31	1

Lab Sample ID: LCS 240-28237/9-A
Matrix: Water
Analysis Batch: 28287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0449	0.0468		mg/L		104	69 - 118

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 240-28202/7-A
Matrix: Water
Analysis Batch: 28264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	3.0	U	3.0	0.94	mg/L		12/27/11 10:21	12/27/11 15:13	1

Lab Sample ID: LCS 240-28202/8-A
Matrix: Water
Analysis Batch: 28264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	8.47	7.17		mg/L		85	70 - 130

Lab Sample ID: 240-7224-1 MS
Matrix: Water
Analysis Batch: 28264

Client Sample ID: WG-122211-KH-037
Prep Type: Total/NA
Prep Batch: 28202

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	3.0	U	8.47	6.37		mg/L		75	27 - 124

Lab Sample ID: 240-7224-1 MSD
Matrix: Water
Analysis Batch: 28264

Client Sample ID: WG-122211-KH-037
Prep Type: Total/NA
Prep Batch: 28202

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	3.0	U	8.47	7.17		mg/L		85	27 - 124	12	20

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

GC/MS VOA

Analysis Batch: 28827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-2	WG-122211-KH-038	Total/NA	Water	8260B	
240-7224-3	TB-122211-KH-039	Total/NA	Water	8260B	
LCS 240-28827/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-28827/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 29013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	8260B	
LCS 240-29013/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-29013/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 28150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	3520C	
240-7224-2	WG-122211-KH-038	Total/NA	Water	3520C	
LCS 240-28150/8-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-28150/7-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 28949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	8270C	28150
240-7224-2	WG-122211-KH-038	Total/NA	Water	8270C	28150
LCS 240-28150/8-A	Lab Control Sample	Total/NA	Water	8270C	28150
MB 240-28150/7-A	Method Blank	Total/NA	Water	8270C	28150

GC VOA

Analysis Batch: 29130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-2	WG-122211-KH-038	Total/NA	Water	8015B	
240-7224-2 MS	WG-122211-KH-038	Total/NA	Water	8015B	
240-7224-2 MSD	WG-122211-KH-038	Total/NA	Water	8015B	
LCS 240-29130/19	Lab Control Sample	Total/NA	Water	8015B	
MB 240-29130/18	Method Blank	Total/NA	Water	8015B	

Analysis Batch: 29136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	8015B	
240-7224-1 MS	WG-122211-KH-037	Total/NA	Water	8015B	
240-7224-1 MSD	WG-122211-KH-037	Total/NA	Water	8015B	
LCS 240-29136/12	Lab Control Sample	Total/NA	Water	8015B	
MB 240-29136/11	Method Blank	Total/NA	Water	8015B	

GC Semi VOA

Prep Batch: 28153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	3520C	
240-7224-2	WG-122211-KH-038	Total/NA	Water	3520C	

GC Semi VOA (Continued)

Prep Batch: 28153 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-28153/12-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-28153/11-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 28159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	8151A	
240-7224-2	WG-122211-KH-038	Total/NA	Water	8151A	
LCS 240-28159/10-A	Lab Control Sample	Total/NA	Water	8151A	
MB 240-28159/9-A	Method Blank	Total/NA	Water	8151A	

Analysis Batch: 28268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	8151A	28159
240-7224-2	WG-122211-KH-038	Total/NA	Water	8151A	28159
LCS 240-28159/10-A	Lab Control Sample	Total/NA	Water	8151A	28159
MB 240-28159/9-A	Method Blank	Total/NA	Water	8151A	28159

Prep Batch: 28323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	3510C	
240-7224-2	WG-122211-KH-038	Total/NA	Water	3510C	
LCS 240-28323/4-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-28323/3-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 28324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	3510C	
240-7224-2	WG-122211-KH-038	Total/NA	Water	3510C	
LCS 240-28324/4-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-28324/3-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 28400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	8081A	28153
LCS 240-28153/12-A	Lab Control Sample	Total/NA	Water	8081A	28153
MB 240-28153/11-A	Method Blank	Total/NA	Water	8081A	28153

Analysis Batch: 28468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	8082	28323
240-7224-2	WG-122211-KH-038	Total/NA	Water	8082	28323
LCS 240-28323/4-A	Lab Control Sample	Total/NA	Water	8082	28323
MB 240-28323/3-A	Method Blank	Total/NA	Water	8082	28323

Analysis Batch: 28500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	8015B	28324
240-7224-2	WG-122211-KH-038	Total/NA	Water	8015B	28324
LCS 240-28324/4-A	Lab Control Sample	Total/NA	Water	8015B	28324
MB 240-28324/3-A	Method Blank	Total/NA	Water	8015B	28324

GC Semi VOA (Continued)

Analysis Batch: 29053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-2	WG-122211-KH-038	Total/NA	Water	8081A	28153

Metals

Prep Batch: 28743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total Recoverable	Water	3005A	
240-7224-2	WG-122211-KH-038	Total Recoverable	Water	3005A	
LCS 240-28743/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-28743/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 28860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total Recoverable	Water	6010B	28743
240-7224-2	WG-122211-KH-038	Total Recoverable	Water	6010B	28743
LCS 240-28743/2-A	Lab Control Sample	Total Recoverable	Water	6010B	28743
MB 240-28743/1-A	Method Blank	Total Recoverable	Water	6010B	28743

Prep Batch: 28867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	7470A	
240-7224-2	WG-122211-KH-038	Total/NA	Water	7470A	
LCS 240-28867/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-28867/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 29114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	7470A	28867
240-7224-2	WG-122211-KH-038	Total/NA	Water	7470A	28867
LCS 240-28867/2-A	Lab Control Sample	Total/NA	Water	7470A	28867
MB 240-28867/1-A	Method Blank	Total/NA	Water	7470A	28867

General Chemistry

Analysis Batch: 28095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	9040C	
240-7224-2	WG-122211-KH-038	Total/NA	Water	9040C	
LCS 240-28095/5	Lab Control Sample	Total/NA	Water	9040C	

Prep Batch: 28202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	9030B	
240-7224-1 MS	WG-122211-KH-037	Total/NA	Water	9030B	
240-7224-1 MSD	WG-122211-KH-037	Total/NA	Water	9030B	
240-7224-2	WG-122211-KH-038	Total/NA	Water	9030B	
LCS 240-28202/8-A	Lab Control Sample	Total/NA	Water	9030B	
MB 240-28202/7-A	Method Blank	Total/NA	Water	9030B	

Prep Batch: 28237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	9012A	

General Chemistry (Continued)

Prep Batch: 28237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-2	WG-122211-KH-038	Total/NA	Water	9012A	
LCS 240-28237/9-A	Lab Control Sample	Total/NA	Water	9012A	
MB 240-28237/8-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 28264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	9034	28202
240-7224-1 MS	WG-122211-KH-037	Total/NA	Water	9034	28202
240-7224-1 MSD	WG-122211-KH-037	Total/NA	Water	9034	28202
240-7224-2	WG-122211-KH-038	Total/NA	Water	9034	28202
LCS 240-28202/8-A	Lab Control Sample	Total/NA	Water	9034	28202
MB 240-28202/7-A	Method Blank	Total/NA	Water	9034	28202

Analysis Batch: 28287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	9012A	28237
240-7224-2	WG-122211-KH-038	Total/NA	Water	9012A	28237
LCS 240-28237/9-A	Lab Control Sample	Total/NA	Water	9012A	28237
MB 240-28237/8-A	Method Blank	Total/NA	Water	9012A	28237

Analysis Batch: 28515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7224-1	WG-122211-KH-037	Total/NA	Water	1010	
240-7224-2	WG-122211-KH-038	Total/NA	Water	1010	
LCS 240-28515/1	Lab Control Sample	Total/NA	Water	1010	

Client Sample ID: WG-122211-KH-037

Lab Sample ID: 240-7224-1

Date Collected: 12/22/11 11:10

Matrix: Water

Date Received: 12/23/11 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2.5	29013	01/04/12 14:10	LW	TAL NC
Total/NA	Prep	3520C			28150	12/27/11 07:51	SE	TAL NC
Total/NA	Analysis	8270C		1	28949	01/04/12 17:52	MU	TAL NC
Total/NA	Analysis	8015B		1	29136	01/05/12 17:54	DB	TAL NC
Total/NA	Prep	8151A			28159	12/27/11 08:21	SE	TAL NC
Total/NA	Analysis	8151A		1	28268	12/28/11 11:32	AR	TAL NC
Total/NA	Prep	3520C			28153	12/27/11 07:55	SE	TAL NC
Total/NA	Analysis	8081A		1	28400	12/28/11 23:10	AR	TAL NC
Total/NA	Prep	3510C			28323	12/28/11 07:55	SE	TAL NC
Total/NA	Analysis	8082		1	28468	12/29/11 11:13	LH	TAL NC
Total/NA	Prep	3510C			28324	12/28/11 07:57	SE	TAL NC
Total/NA	Analysis	8015B		1	28500	12/29/11 09:46	SG	TAL NC
Total Recoverable	Prep	3005A			28743	12/30/11 13:54	AS	TAL NC
Total Recoverable	Analysis	6010B		1	28860	01/03/12 11:13	KC	TAL NC
Total/NA	Prep	7470A			28867	01/03/12 11:30	LM	TAL NC
Total/NA	Analysis	7470A		1	29114	01/04/12 17:06	AS	TAL NC
Total/NA	Analysis	9040C		1	28095	12/23/11 15:43	KH	TAL NC
Total/NA	Prep	9030B			28202	12/27/11 10:21	AM	TAL NC
Total/NA	Analysis	9034		1	28264	12/27/11 15:13	AM	TAL NC
Total/NA	Prep	9012A			28237	12/27/11 11:54	KH	TAL NC
Total/NA	Analysis	9012A		1	28287	12/27/11 16:37	KH	TAL NC
Total/NA	Analysis	1010		1	28515	12/29/11 09:28	TH	TAL NC

Client Sample ID: WG-122211-KH-038

Lab Sample ID: 240-7224-2

Date Collected: 12/22/11 11:15

Matrix: Water

Date Received: 12/23/11 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		125	28827	01/03/12 18:03	RQ	TAL NC
Total/NA	Prep	3520C			28150	12/27/11 07:51	SE	TAL NC
Total/NA	Analysis	8270C		10	28949	01/04/12 18:12	MU	TAL NC
Total/NA	Analysis	8015B		10	29130	01/04/12 21:54	DB	TAL NC
Total/NA	Prep	8151A			28159	12/27/11 08:21	SE	TAL NC
Total/NA	Analysis	8151A		1	28268	12/28/11 11:54	AR	TAL NC
Total/NA	Prep	3510C			28323	12/28/11 07:55	SE	TAL NC
Total/NA	Analysis	8082		1	28468	12/29/11 11:27	LH	TAL NC
Total/NA	Prep	3510C			28324	12/28/11 07:57	SE	TAL NC
Total/NA	Analysis	8015B		1	28500	12/29/11 10:10	SG	TAL NC
Total/NA	Prep	3520C			28153	12/27/11 07:55	SE	TAL NC
Total/NA	Analysis	8081A		10	29053	01/05/12 07:44	AR	TAL NC
Total Recoverable	Prep	3005A			28743	12/30/11 13:54	AS	TAL NC
Total Recoverable	Analysis	6010B		1	28860	01/03/12 11:19	KC	TAL NC
Total/NA	Prep	7470A			28867	01/03/12 11:30	LM	TAL NC
Total/NA	Analysis	7470A		1	29114	01/04/12 17:07	AS	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

Client Sample ID: WG-122211-KH-038

Lab Sample ID: 240-7224-2

Date Collected: 12/22/11 11:15

Matrix: Water

Date Received: 12/23/11 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9040C		1	28095	12/23/11 15:43	KH	TAL NC
Total/NA	Prep	9030B			28202	12/27/11 10:21	AM	TAL NC
Total/NA	Analysis	9034		1	28264	12/27/11 15:13	AM	TAL NC
Total/NA	Prep	9012A			28237	12/27/11 11:54	KH	TAL NC
Total/NA	Analysis	9012A		1	28287	12/27/11 16:37	KH	TAL NC
Total/NA	Analysis	1010		1	28515	12/29/11 09:28	TH	TAL NC

Client Sample ID: TB-122211-KH-039

Lab Sample ID: 240-7224-3

Date Collected: 12/22/11 00:00

Matrix: Water

Date Received: 12/23/11 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	28827	01/03/12 14:28	RQ	TAL NC

Laboratory References:

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

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 12559-T05, RACER Fairfax

TestAmerica Job ID: 240-7224-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACLASS	DoD ELAP		ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Connecticut	State Program	1	PH-0590
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Minnesota	NELAC	5	039-999-348
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA		P330-11-00328
TestAmerica North Canton	Virginia	NELAC Secondary AB	3	460175
TestAmerica North Canton	West Virginia	West Virginia DEP	3	210
TestAmerica North Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
1502 SW 41st St.
Topeka, KS 66609

SHIPPED TO (Laboratory Name): Test America

REFERENCE NUMBER: 012559

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: Kirk Hoeffner

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS: VOCs	SVOCs/TPH-DRO	Pest./Herb.	PCBs/pH	Mercury	RCRA Metals	Cyanide	Calc.-sulfide	Flashpoint	REMARKS
	12/22/11	11:10	WG-122211-KH-037		16										No odor
	12/22/11	11:15	WG-122211-KH-038		16										Strong petro. odor
	12/22/11	NA	TB-122211-KH-039		2										In cooler w/ VOCs

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** 7224
North Canton Facility

Client CRA Project 12559 By: (Signature)
Cooler Received on 12-23-11 Opened on 12-23-11
(FedEx) UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other
TestAmerica Cooler # (Multiple Coolers) Foam Box Client Cooler Other
1. Were custody seals on the outside of the cooler(s)? Yes (No) Intact? Yes No (NA)
If YES, Quantity Quantity Unsalvageable
Were custody seals on the outside of cooler(s) signed and dated? Yes No (NA)
Were custody seals on the bottle(s)? Yes (No)
If YES, are there any exceptions?
2. Shippers' packing slip attached to the cooler(s)? (Yes) No
3. Did custody papers accompany the sample(s)? (Yes) No Relinquished by client? (Yes) No
4. Were the custody papers signed in the appropriate place? (Yes) No
5. Packing material used: (Bubble Wrap) Foam None Other
6. Cooler temperature upon receipt (3.7) °C See back of form for multiple coolers/temps
METHOD: (IR) Other
COOLANT: (Wet Ice) Blue Ice Dry Ice Water None
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels be reconciled with the COC? (Yes) No
9. Were sample(s) at the correct pH upon receipt? (Yes) No NA
10. Were correct bottle(s) used for the test(s) indicated? (Yes) No
11. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
12. Sufficient quantity received to perform indicated analyses? (Yes) No
13. Was a trip blank present in the cooler(s)? (Yes) No Were VOAs on the COC? (Yes) No
Contacted PM Date by via Verbal Voice Mail Other
Concerning

14

14. CHAIN OF CUSTODY

The following discrepancies occurred:

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# 110410-HNO_3; Sulfuric Acid Lot# 041911-H_2SO_4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot#* 100108-$(CH_3COO)_2ZN$/NaOH. What time was preservative added to sample(s)?

Client ID	pH	Date	Initials
37	<2 <9 >12	12-23-11	MS
38	<2 <9 >12	"	"

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant
Not	3.1	IR	ice
Not	2.4	1	1
L802	2.9	1	1

Discrepancies Cont'd:

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-7224-1

Login Number: 7224
List Number: 1
Creator: Sutek, Nick

List Source: TestAmerica North Canton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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	3.1/2.4/2.9
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TABLE F.2

SOIL SAMPLE SUMMARY
APRIL 2012
FORMER FAIRFAX 1 SITE
KANSAS CITY, KANSAS

Sample Number	*Sample Location*	*Sample Date*	*Sample Depth Interval (feet BGS)* [1]	*Analyses* [2]
TMW-147S 18 - 20	SB-147S	4/9/2012	18/20	TCL VOC
TMW-147E 18 - 20	TMW-147E	4/9/2012	18/20	TCL VOC
TMW-147N 18 - 20	SB-147N	4/9/2012	18/20	TCL VOC
TMW-147W 18 - 20	SB-147W	4/9/2012	18/20	TCL VOC
SB-120A 18 - 20	SB-120A	4/9/2012	18/20	TCL VOC
SB-119C 18 - 20	SB-119C	4/10/2012	18/20	TCL VOC, MS/MSD
SB-118A 6 - 8	SB-118A	4/10/2012	6/8	TCL VOC
TMW-157 18 - 20	TMW-157	4/10/2012	18/20	TCL VOC
TMW-155 18 - 20	TMW-155	4/11/2012	18/20	TCL VOC
TMW-154 16 - 18	TMW-154	4/11/2012	16/18	TCL VOC
TMW-153 18 - 20	TMW-153	4/11/2012	18/20	TCL VOC
SB-305 4 - 6	SB-305	4/11/2012	4/6	Waste characterization
Background 1 - 2	Background Soil Boring	4/11/2012	1/2	Fraction of organic carbon
Background 10 - 12	Background Soil Boring	4/11/2012	10/12	Fraction of organic carbon
SB-118B 8 - 10	SB-118B	4/12/2012	8/10	TCL VOC
SB-48 13 - 15	SB-48	4/11/2012	13/15	Waste characterization
SB-49 13 - 15	SB-49	4/11/2012	13/15	Waste characterization
SB-51 18 - 20	SB-51	4/11/2012	18/20	TCL VOC
SB-50 18 - 20	SB-50	4/11/2012	18/20	TCL VOC
SB119A 18 - 20	SB-119A	4/16/2012	18/20	TCL VOC
SB119B 18 - 20	SB-119B	4/17/2012	18/20	TCL VOC
Drum composite	- -	4/17/2012	- -	Waste characterization

[1] BGS - below ground surface

[2] TCL VOC - target compound list volatile organic compounds
Waste characterization - toxicity characteristic leaching procedure (TCLP) VOC, TCLP semivolatile organic compounds (SVOC), TCLP pesticides, TCLP herbicides, PCBs, reactivity, pH, and flashpoint
MS/MSD - matrix spike/matrix spike duplicate

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

April 26, 2012

Phil Harvey
Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

RE: Project: FAIRFAX I
Pace Project No.: 60119177

Dear Phil Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Amended report revised 04/26/12 to correct project reference and sample identification.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angie Brown

Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Travis Kogl, Conestoga-Rovers & Associates

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CERTIFICATIONS

Project: FAIRFAX I
Pace Project No.: 60119177

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: FAIRFAX I
Pace Project No.: 60119177

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60119177001	TMW-147S 18-20	Solid	04/09/12 15:07	04/10/12 17:45
60119177002	TMW-147E 18-20	Solid	04/09/12 15:35	04/10/12 17:45
60119177003	TMW-147N 18-20	Solid	04/09/12 15:50	04/10/12 17:45
60119177004	TMW-147W 18-20	Solid	04/09/12 16:15	04/10/12 17:45
60119177005	SB120A 18-20	Solid	04/09/12 17:25	04/10/12 17:45
60119177006	SB119C 18-20	Solid	04/10/12 11:55	04/10/12 17:45
60119177007	SB118A 6-8	Solid	04/10/12 13:00	04/10/12 17:45
60119177008	SB5013-15	Solid	04/10/12 14:10	04/10/12 17:45
60119177009	TMW 157 18-20	Solid	04/10/12 15:15	04/10/12 17:45
60119177010	SB49 14-16	Solid	04/10/12 16:00	04/10/12 17:45
60119177011	SB48 16-18	Solid	04/10/12 10:30	04/10/12 17:45
60119177012	TRIP BLANK	Solid	04/10/12 00:00	04/10/12 17:45
60119177013	SB 51 10-13	Solid	04/10/12 14:35	04/10/12 17:45

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SAMPLE ANALYTE COUNT

Project: FAIRFAX I
Pace Project No.: 60119177

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60119177001	TMW-147S 18-20	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119177002	TMW-147E 18-20	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119177003	TMW-147N 18-20	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119177004	TMW-147W 18-20	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119177005	SB120A 18-20	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119177006	SB119C 18-20	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119177007	SB118A 6-8	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119177009	TMW 157 18-20	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119177012	TRIP BLANK	EPA 8260	RAB	69

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119177

Method: EPA 8260
Description: 8260 MSV 5035A VOA
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
9 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/44950

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 982289)
  - 2-Butanone (MEK)
  - Acetone

QC Batch: MSV/44971

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 982583)
  - Acetone

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/44950

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60119177006

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- MSD (Lab ID: 982291)
  - 1,2,3-Trichlorobenzene
  - 1,2,4-Trichlorobenzene
  - 1,2,4-Trimethylbenzene

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119177

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: RACER_CRA IL
Date: April 26, 2012

QC Batch: MSV/44950

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60119177006

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- 1,2-Dichlorobenzene
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- 2-Chlorotoluene
- 4-Chlorotoluene
- Bromobenzene
- Bromomethane
- Chloroform
- Dibromomethane
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Styrene
- n-Butylbenzene
- n-Propylbenzene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW-147S 18-20 **Lab ID: 60119177001** Collected: 04/09/12 15:07 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	19.2	2.3	1		04/14/12 18:18	67-64-1	L3
Benzene	ND	ug/kg	4.8	0.36	1		04/14/12 18:18	71-43-2	
Bromobenzene	ND	ug/kg	4.8	0.29	1		04/14/12 18:18	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	0.64	1		04/14/12 18:18	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	0.23	1		04/14/12 18:18	75-27-4	
Bromoform	ND	ug/kg	4.8	0.30	1		04/14/12 18:18	75-25-2	
Bromomethane	ND	ug/kg	4.8	0.70	1		04/14/12 18:18	74-83-9	
2-Butanone (MEK)	ND	ug/kg	9.6	2.9	1		04/14/12 18:18	78-93-3	L3
n-Butylbenzene	ND	ug/kg	4.8	0.40	1		04/14/12 18:18	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	0.47	1		04/14/12 18:18	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	0.41	1		04/14/12 18:18	98-06-6	
Carbon disulfide	ND	ug/kg	4.8	1.2	1		04/14/12 18:18	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	0.49	1		04/14/12 18:18	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	0.30	1		04/14/12 18:18	108-90-7	
Chloroethane	ND	ug/kg	4.8	0.55	1		04/14/12 18:18	75-00-3	
Chloroform	ND	ug/kg	4.8	0.37	1		04/14/12 18:18	67-66-3	
Chloromethane	ND	ug/kg	4.8	0.58	1		04/14/12 18:18	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	0.44	1		04/14/12 18:18	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	0.38	1		04/14/12 18:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.6	0.31	1		04/14/12 18:18	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	0.23	1		04/14/12 18:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	0.30	1		04/14/12 18:18	106-93-4	
Dibromomethane	ND	ug/kg	4.8	0.29	1		04/14/12 18:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	0.32	1		04/14/12 18:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	0.33	1		04/14/12 18:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	0.36	1		04/14/12 18:18	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.8	0.47	1		04/14/12 18:18	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	0.48	1		04/14/12 18:18	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	0.29	1		04/14/12 18:18	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.8	0.79	1		04/14/12 18:18	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.8	0.57	1		04/14/12 18:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.4	0.36	1		04/14/12 18:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.4	0.42	1		04/14/12 18:18	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	0.32	1		04/14/12 18:18	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	0.30	1		04/14/12 18:18	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	0.42	1		04/14/12 18:18	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	0.41	1		04/14/12 18:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	0.38	1		04/14/12 18:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	0.31	1		04/14/12 18:18	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	0.44	1		04/14/12 18:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	0.65	1		04/14/12 18:18	87-68-3	
2-Hexanone	ND	ug/kg	19.2	0.62	1		04/14/12 18:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	0.40	1		04/14/12 18:18	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	0.46	1		04/14/12 18:18	99-87-6	
Methylene chloride	ND	ug/kg	4.8	0.79	1		04/14/12 18:18	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW-147S 18-20 **Lab ID: 60119177001** Collected: 04/09/12 15:07 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.6	0.64	1		04/14/12 18:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	0.33	1		04/14/12 18:18	1634-04-4	
Naphthalene	ND	ug/kg	9.6	0.22	1		04/14/12 18:18	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	0.37	1		04/14/12 18:18	103-65-1	
Styrene	ND	ug/kg	4.8	0.35	1		04/14/12 18:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	0.27	1		04/14/12 18:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	0.22	1		04/14/12 18:18	79-34-5	
Tetrachloroethene	**3.5J**	ug/kg	4.8	0.47	1		04/14/12 18:18	127-18-4	
Toluene	ND	ug/kg	4.8	0.36	1		04/14/12 18:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	0.23	1		04/14/12 18:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	0.66	1		04/14/12 18:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	0.45	1		04/14/12 18:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	0.27	1		04/14/12 18:18	79-00-5	
Trichloroethene	ND	ug/kg	4.8	0.45	1		04/14/12 18:18	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	0.51	1		04/14/12 18:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	0.48	1		04/14/12 18:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	0.39	1		04/14/12 18:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	0.38	1		04/14/12 18:18	108-67-8	
Vinyl chloride	ND	ug/kg	4.8	0.62	1		04/14/12 18:18	75-01-4	
Xylene (Total)	ND	ug/kg	4.8	1.1	1		04/14/12 18:18	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	119	%	68-129		1		04/14/12 18:18	1868-53-7	
Toluene-d8 (S)	99	%	81-121		1		04/14/12 18:18	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-131		1		04/14/12 18:18	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	77-131		1		04/14/12 18:18	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.2**	%	0.50	0.50	1		04/13/12 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW-147E 18-20 **Lab ID: 60119177002** Collected: 04/09/12 15:35 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**38.1**	ug/kg	22.2	2.7	1		04/14/12 18:33	67-64-1	L1
Benzene	ND	ug/kg	5.6	0.42	1		04/14/12 18:33	71-43-2	
Bromobenzene	ND	ug/kg	5.6	0.33	1		04/14/12 18:33	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	0.74	1		04/14/12 18:33	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	0.27	1		04/14/12 18:33	75-27-4	
Bromoform	ND	ug/kg	5.6	0.34	1		04/14/12 18:33	75-25-2	
Bromomethane	ND	ug/kg	5.6	0.81	1		04/14/12 18:33	74-83-9	
2-Butanone (MEK)	**11.1J**	ug/kg	11.1	3.4	1		04/14/12 18:33	78-93-3	L1
n-Butylbenzene	ND	ug/kg	5.6	0.47	1		04/14/12 18:33	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.6	0.54	1		04/14/12 18:33	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.6	0.48	1		04/14/12 18:33	98-06-6	
Carbon disulfide	ND	ug/kg	5.6	1.4	1		04/14/12 18:33	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	0.57	1		04/14/12 18:33	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	0.34	1		04/14/12 18:33	108-90-7	
Chloroethane	ND	ug/kg	5.6	0.63	1		04/14/12 18:33	75-00-3	
Chloroform	ND	ug/kg	5.6	0.43	1		04/14/12 18:33	67-66-3	
Chloromethane	ND	ug/kg	5.6	0.67	1		04/14/12 18:33	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	0.51	1		04/14/12 18:33	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	0.44	1		04/14/12 18:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.1	0.36	1		04/14/12 18:33	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	0.27	1		04/14/12 18:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	0.34	1		04/14/12 18:33	106-93-4	
Dibromomethane	ND	ug/kg	5.6	0.33	1		04/14/12 18:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	0.37	1		04/14/12 18:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	0.38	1		04/14/12 18:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	0.42	1		04/14/12 18:33	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.6	0.54	1		04/14/12 18:33	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	0.56	1		04/14/12 18:33	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	0.33	1		04/14/12 18:33	107-06-2	
1,2-Dichloroethene (Total)	**201**	ug/kg	5.6	0.91	1		04/14/12 18:33	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.6	0.66	1		04/14/12 18:33	75-35-4	
cis-1,2-Dichloroethene	**163**	ug/kg	2.8	0.42	1		04/14/12 18:33	156-59-2	
trans-1,2-Dichloroethene	**37.2**	ug/kg	2.8	0.49	1		04/14/12 18:33	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	0.37	1		04/14/12 18:33	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	0.34	1		04/14/12 18:33	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	0.49	1		04/14/12 18:33	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	0.48	1		04/14/12 18:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	0.44	1		04/14/12 18:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	0.36	1		04/14/12 18:33	10061-02-6	
Ethylbenzene	ND	ug/kg	5.6	0.51	1		04/14/12 18:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	0.76	1		04/14/12 18:33	87-68-3	
2-Hexanone	ND	ug/kg	22.2	0.72	1		04/14/12 18:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	0.47	1		04/14/12 18:33	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.6	0.53	1		04/14/12 18:33	99-87-6	
Methylene chloride	ND	ug/kg	5.6	0.91	1		04/14/12 18:33	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW-147E 18-20 **Lab ID: 60119177002** Collected: 04/09/12 15:35 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.1	0.74	1		04/14/12 18:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	0.38	1		04/14/12 18:33	1634-04-4	
Naphthalene	ND	ug/kg	11.1	0.26	1		04/14/12 18:33	91-20-3	
n-Propylbenzene	ND	ug/kg	5.6	0.43	1		04/14/12 18:33	103-65-1	
Styrene	ND	ug/kg	5.6	0.40	1		04/14/12 18:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	0.31	1		04/14/12 18:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	0.26	1		04/14/12 18:33	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	0.54	1		04/14/12 18:33	127-18-4	
Toluene	ND	ug/kg	5.6	0.42	1		04/14/12 18:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	0.27	1		04/14/12 18:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	0.77	1		04/14/12 18:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	0.52	1		04/14/12 18:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	0.31	1		04/14/12 18:33	79-00-5	
Trichloroethene	**6.4**	ug/kg	5.6	0.52	1		04/14/12 18:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	0.59	1		04/14/12 18:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	0.56	1		04/14/12 18:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	0.46	1		04/14/12 18:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	0.44	1		04/14/12 18:33	108-67-8	
Vinyl chloride	ND	ug/kg	5.6	0.72	1		04/14/12 18:33	75-01-4	
Xylene (Total)	ND	ug/kg	5.6	1.3	1		04/14/12 18:33	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%	68-129		1		04/14/12 18:33	1868-53-7	
Toluene-d8 (S)	99	%	81-121		1		04/14/12 18:33	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-131		1		04/14/12 18:33	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	77-131		1		04/14/12 18:33	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**25.1**	%	0.50	0.50	1		04/13/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW-147N 18-20 **Lab ID: 60119177003** Collected: 04/09/12 15:50 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**11.0J**	ug/kg	22.4	2.7	1		04/16/12 16:01	67-64-1	L1
Benzene	ND	ug/kg	5.6	0.42	1		04/16/12 16:01	71-43-2	
Bromobenzene	ND	ug/kg	5.6	0.34	1		04/16/12 16:01	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	0.75	1		04/16/12 16:01	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	0.27	1		04/16/12 16:01	75-27-4	
Bromoform	ND	ug/kg	5.6	0.35	1		04/16/12 16:01	75-25-2	
Bromomethane	ND	ug/kg	5.6	0.82	1		04/16/12 16:01	74-83-9	
2-Butanone (MEK)	**5.5J**	ug/kg	11.2	3.4	1		04/16/12 16:01	78-93-3	
n-Butylbenzene	ND	ug/kg	5.6	0.47	1		04/16/12 16:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.6	0.55	1		04/16/12 16:01	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.6	0.48	1		04/16/12 16:01	98-06-6	
Carbon disulfide	ND	ug/kg	5.6	1.4	1		04/16/12 16:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	0.57	1		04/16/12 16:01	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	0.35	1		04/16/12 16:01	108-90-7	
Chloroethane	ND	ug/kg	5.6	0.64	1		04/16/12 16:01	75-00-3	
Chloroform	ND	ug/kg	5.6	0.44	1		04/16/12 16:01	67-66-3	
Chloromethane	ND	ug/kg	5.6	0.67	1		04/16/12 16:01	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	0.51	1		04/16/12 16:01	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	0.45	1		04/16/12 16:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.2	0.36	1		04/16/12 16:01	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	0.27	1		04/16/12 16:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	0.35	1		04/16/12 16:01	106-93-4	
Dibromomethane	ND	ug/kg	5.6	0.34	1		04/16/12 16:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	0.37	1		04/16/12 16:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	0.38	1		04/16/12 16:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	0.42	1		04/16/12 16:01	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.6	0.55	1		04/16/12 16:01	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	0.56	1		04/16/12 16:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	0.34	1		04/16/12 16:01	107-06-2	
1,2-Dichloroethene (Total)	**121**	ug/kg	5.6	0.92	1		04/16/12 16:01	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.6	0.66	1		04/16/12 16:01	75-35-4	
cis-1,2-Dichloroethene	**101**	ug/kg	2.8	0.42	1		04/16/12 16:01	156-59-2	
trans-1,2-Dichloroethene	**19.5**	ug/kg	2.8	0.49	1		04/16/12 16:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	0.37	1		04/16/12 16:01	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	0.35	1		04/16/12 16:01	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	0.49	1		04/16/12 16:01	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	0.48	1		04/16/12 16:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	0.45	1		04/16/12 16:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	0.36	1		04/16/12 16:01	10061-02-6	
Ethylbenzene	ND	ug/kg	5.6	0.51	1		04/16/12 16:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	0.76	1		04/16/12 16:01	87-68-3	
2-Hexanone	ND	ug/kg	22.4	0.73	1		04/16/12 16:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	0.47	1		04/16/12 16:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.6	0.54	1		04/16/12 16:01	99-87-6	
Methylene chloride	ND	ug/kg	5.6	0.92	1		04/16/12 16:01	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW-147N 18-20 **Lab ID: 60119177003** Collected: 04/09/12 15:50 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.2	0.75	1		04/16/12 16:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	0.38	1		04/16/12 16:01	1634-04-4	
Naphthalene	ND	ug/kg	11.2	0.26	1		04/16/12 16:01	91-20-3	
n-Propylbenzene	ND	ug/kg	5.6	0.44	1		04/16/12 16:01	103-65-1	
Styrene	ND	ug/kg	5.6	0.40	1		04/16/12 16:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	0.31	1		04/16/12 16:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	0.26	1		04/16/12 16:01	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	0.55	1		04/16/12 16:01	127-18-4	
Toluene	ND	ug/kg	5.6	0.42	1		04/16/12 16:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	0.27	1		04/16/12 16:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	0.77	1		04/16/12 16:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	0.53	1		04/16/12 16:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	0.31	1		04/16/12 16:01	79-00-5	
Trichloroethene	**1.5J**	ug/kg	5.6	0.53	1		04/16/12 16:01	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	0.59	1		04/16/12 16:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	0.56	1		04/16/12 16:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	0.46	1		04/16/12 16:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	0.45	1		04/16/12 16:01	108-67-8	
Vinyl chloride	ND	ug/kg	5.6	0.73	1		04/16/12 16:01	75-01-4	
Xylene (Total)	ND	ug/kg	5.6	1.3	1		04/16/12 16:01	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	68-129		1		04/16/12 16:01	1868-53-7	
Toluene-d8 (S)	99	%	81-121		1		04/16/12 16:01	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-131		1		04/16/12 16:01	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	77-131		1		04/16/12 16:01	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.9**	%	0.50	0.50	1		04/13/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW-147W 18-20 **Lab ID: 60119177004** Collected: 04/09/12 16:15 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	21.1	2.6	1		04/14/12 19:04	67-64-1	L3
Benzene	ND	ug/kg	5.3	0.40	1		04/14/12 19:04	71-43-2	
Bromobenzene	ND	ug/kg	5.3	0.32	1		04/14/12 19:04	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	0.71	1		04/14/12 19:04	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	0.25	1		04/14/12 19:04	75-27-4	
Bromoform	ND	ug/kg	5.3	0.33	1		04/14/12 19:04	75-25-2	
Bromomethane	ND	ug/kg	5.3	0.77	1		04/14/12 19:04	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.6	3.2	1		04/14/12 19:04	78-93-3	L3
n-Butylbenzene	ND	ug/kg	5.3	0.44	1		04/14/12 19:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	0.52	1		04/14/12 19:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	0.45	1		04/14/12 19:04	98-06-6	
Carbon disulfide	ND	ug/kg	5.3	1.4	1		04/14/12 19:04	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	0.54	1		04/14/12 19:04	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	0.33	1		04/14/12 19:04	108-90-7	
Chloroethane	ND	ug/kg	5.3	0.60	1		04/14/12 19:04	75-00-3	
Chloroform	ND	ug/kg	5.3	0.41	1		04/14/12 19:04	67-66-3	
Chloromethane	ND	ug/kg	5.3	0.63	1		04/14/12 19:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	0.49	1		04/14/12 19:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	0.42	1		04/14/12 19:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.6	0.34	1		04/14/12 19:04	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	0.25	1		04/14/12 19:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	0.33	1		04/14/12 19:04	106-93-4	
Dibromomethane	ND	ug/kg	5.3	0.32	1		04/14/12 19:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	0.35	1		04/14/12 19:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	0.36	1		04/14/12 19:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	0.40	1		04/14/12 19:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.3	0.52	1		04/14/12 19:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	0.53	1		04/14/12 19:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	0.32	1		04/14/12 19:04	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.3	0.87	1		04/14/12 19:04	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.3	0.62	1		04/14/12 19:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.6	0.40	1		04/14/12 19:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.6	0.47	1		04/14/12 19:04	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	0.35	1		04/14/12 19:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	0.33	1		04/14/12 19:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	0.47	1		04/14/12 19:04	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	0.45	1		04/14/12 19:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	0.42	1		04/14/12 19:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	0.34	1		04/14/12 19:04	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	0.49	1		04/14/12 19:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	0.72	1		04/14/12 19:04	87-68-3	
2-Hexanone	ND	ug/kg	21.1	0.69	1		04/14/12 19:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	0.44	1		04/14/12 19:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	0.51	1		04/14/12 19:04	99-87-6	
Methylene chloride	ND	ug/kg	5.3	0.87	1		04/14/12 19:04	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW-147W 18-20 **Lab ID: 60119177004** Collected: 04/09/12 16:15 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.6	0.71	1		04/14/12 19:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	0.36	1		04/14/12 19:04	1634-04-4	
Naphthalene	ND	ug/kg	10.6	0.24	1		04/14/12 19:04	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	0.41	1		04/14/12 19:04	103-65-1	
Styrene	ND	ug/kg	5.3	0.38	1		04/14/12 19:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	0.30	1		04/14/12 19:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	0.24	1		04/14/12 19:04	79-34-5	
Tetrachloroethene	**4.3J**	ug/kg	5.3	0.52	1		04/14/12 19:04	127-18-4	
Toluene	ND	ug/kg	5.3	0.40	1		04/14/12 19:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	0.25	1		04/14/12 19:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	0.73	1		04/14/12 19:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	0.50	1		04/14/12 19:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	0.30	1		04/14/12 19:04	79-00-5	
Trichloroethene	ND	ug/kg	5.3	0.50	1		04/14/12 19:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	0.56	1		04/14/12 19:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	0.53	1		04/14/12 19:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	0.43	1		04/14/12 19:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	0.42	1		04/14/12 19:04	108-67-8	
Vinyl chloride	ND	ug/kg	5.3	0.69	1		04/14/12 19:04	75-01-4	
Xylene (Total)	ND	ug/kg	5.3	1.2	1		04/14/12 19:04	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	114	%	68-129		1		04/14/12 19:04	1868-53-7	
Toluene-d8 (S)	99	%	81-121		1		04/14/12 19:04	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-131		1		04/14/12 19:04	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	77-131		1		04/14/12 19:04	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.9**	%	0.50	0.50	1		04/13/12 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: SB120A 18-20 **Lab ID: 60119177005** Collected: 04/09/12 17:25 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**57.6**	ug/kg	24.5	3.0	1		04/14/12 19:19	67-64-1	L1
Benzene	ND	ug/kg	6.1	0.47	1		04/14/12 19:19	71-43-2	
Bromobenzene	ND	ug/kg	6.1	0.37	1		04/14/12 19:19	108-86-1	
Bromochloromethane	ND	ug/kg	6.1	0.82	1		04/14/12 19:19	74-97-5	
Bromodichloromethane	ND	ug/kg	6.1	0.29	1		04/14/12 19:19	75-27-4	
Bromoform	ND	ug/kg	6.1	0.38	1		04/14/12 19:19	75-25-2	
Bromomethane	ND	ug/kg	6.1	0.89	1		04/14/12 19:19	74-83-9	
2-Butanone (MEK)	**15.0**	ug/kg	12.3	3.8	1		04/14/12 19:19	78-93-3	L1
n-Butylbenzene	ND	ug/kg	6.1	0.51	1		04/14/12 19:19	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.1	0.60	1		04/14/12 19:19	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.1	0.53	1		04/14/12 19:19	98-06-6	
Carbon disulfide	ND	ug/kg	6.1	1.6	1		04/14/12 19:19	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.1	0.63	1		04/14/12 19:19	56-23-5	
Chlorobenzene	ND	ug/kg	6.1	0.38	1		04/14/12 19:19	108-90-7	
Chloroethane	ND	ug/kg	6.1	0.70	1		04/14/12 19:19	75-00-3	
Chloroform	ND	ug/kg	6.1	0.48	1		04/14/12 19:19	67-66-3	
Chloromethane	ND	ug/kg	6.1	0.74	1		04/14/12 19:19	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.1	0.56	1		04/14/12 19:19	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.1	0.49	1		04/14/12 19:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.3	0.39	1		04/14/12 19:19	96-12-8	
Dibromochloromethane	ND	ug/kg	6.1	0.29	1		04/14/12 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.1	0.38	1		04/14/12 19:19	106-93-4	
Dibromomethane	ND	ug/kg	6.1	0.37	1		04/14/12 19:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.1	0.40	1		04/14/12 19:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.1	0.42	1		04/14/12 19:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.1	0.47	1		04/14/12 19:19	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	6.1	0.60	1		04/14/12 19:19	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.1	0.61	1		04/14/12 19:19	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.1	0.37	1		04/14/12 19:19	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	6.1	1.0	1		04/14/12 19:19	540-59-0	
1,1-Dichloroethene	ND	ug/kg	6.1	0.72	1		04/14/12 19:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.1	0.47	1		04/14/12 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.1	0.54	1		04/14/12 19:19	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.1	0.40	1		04/14/12 19:19	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.1	0.38	1		04/14/12 19:19	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.1	0.54	1		04/14/12 19:19	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.1	0.53	1		04/14/12 19:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.1	0.49	1		04/14/12 19:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.1	0.39	1		04/14/12 19:19	10061-02-6	
Ethylbenzene	ND	ug/kg	6.1	0.56	1		04/14/12 19:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.1	0.83	1		04/14/12 19:19	87-68-3	
2-Hexanone	ND	ug/kg	24.5	0.80	1		04/14/12 19:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.1	0.51	1		04/14/12 19:19	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.1	0.59	1		04/14/12 19:19	99-87-6	
Methylene chloride	ND	ug/kg	6.1	1.0	1		04/14/12 19:19	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: SB120A 18-20 **Lab ID: 60119177005** Collected: 04/09/12 17:25 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	12.3	0.82	1		04/14/12 19:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.1	0.42	1		04/14/12 19:19	1634-04-4	
Naphthalene	ND	ug/kg	12.3	0.28	1		04/14/12 19:19	91-20-3	
n-Propylbenzene	ND	ug/kg	6.1	0.48	1		04/14/12 19:19	103-65-1	
Styrene	ND	ug/kg	6.1	0.44	1		04/14/12 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.1	0.34	1		04/14/12 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.1	0.28	1		04/14/12 19:19	79-34-5	
Tetrachloroethene	**7.5**	ug/kg	6.1	0.60	1		04/14/12 19:19	127-18-4	
Toluene	ND	ug/kg	6.1	0.47	1		04/14/12 19:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.1	0.29	1		04/14/12 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.1	0.85	1		04/14/12 19:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.1	0.58	1		04/14/12 19:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.1	0.34	1		04/14/12 19:19	79-00-5	
Trichloroethene	ND	ug/kg	6.1	0.58	1		04/14/12 19:19	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.1	0.65	1		04/14/12 19:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.1	0.61	1		04/14/12 19:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.1	0.50	1		04/14/12 19:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.1	0.49	1		04/14/12 19:19	108-67-8	
Vinyl chloride	ND	ug/kg	6.1	0.80	1		04/14/12 19:19	75-01-4	
Xylene (Total)	ND	ug/kg	6.1	1.4	1		04/14/12 19:19	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	128	%	68-129		1		04/14/12 19:19	1868-53-7	
Toluene-d8 (S)	100	%	81-121		1		04/14/12 19:19	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-131		1		04/14/12 19:19	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	77-131		1		04/14/12 19:19	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**28.8**	%	0.50	0.50	1		04/13/12 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: SB119C 18-20 **Lab ID: 60119177006** Collected: 04/10/12 11:55 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**27.4J**	ug/kg	33.2	4.0	1		04/14/12 19:35	67-64-1	L1
Benzene	ND	ug/kg	8.3	0.63	1		04/14/12 19:35	71-43-2	
Bromobenzene	ND	ug/kg	8.3	0.50	1		04/14/12 19:35	108-86-1	
Bromochloromethane	ND	ug/kg	8.3	1.1	1		04/14/12 19:35	74-97-5	
Bromodichloromethane	ND	ug/kg	8.3	0.40	1		04/14/12 19:35	75-27-4	
Bromoform	ND	ug/kg	8.3	0.51	1		04/14/12 19:35	75-25-2	
Bromomethane	ND	ug/kg	8.3	1.2	1		04/14/12 19:35	74-83-9	
2-Butanone (MEK)	**10.7J**	ug/kg	16.6	5.1	1		04/14/12 19:35	78-93-3	L1
n-Butylbenzene	ND	ug/kg	8.3	0.70	1		04/14/12 19:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	8.3	0.81	1		04/14/12 19:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	8.3	0.71	1		04/14/12 19:35	98-06-6	
Carbon disulfide	ND	ug/kg	8.3	2.1	1		04/14/12 19:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	8.3	0.85	1		04/14/12 19:35	56-23-5	
Chlorobenzene	ND	ug/kg	8.3	0.51	1		04/14/12 19:35	108-90-7	
Chloroethane	ND	ug/kg	8.3	0.95	1		04/14/12 19:35	75-00-3	
Chloroform	ND	ug/kg	8.3	0.65	1		04/14/12 19:35	67-66-3	
Chloromethane	ND	ug/kg	8.3	1.0	1		04/14/12 19:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	8.3	0.76	1		04/14/12 19:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	8.3	0.66	1		04/14/12 19:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	16.6	0.53	1		04/14/12 19:35	96-12-8	
Dibromochloromethane	ND	ug/kg	8.3	0.40	1		04/14/12 19:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	8.3	0.51	1		04/14/12 19:35	106-93-4	
Dibromomethane	ND	ug/kg	8.3	0.50	1		04/14/12 19:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	8.3	0.55	1		04/14/12 19:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	8.3	0.56	1		04/14/12 19:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	8.3	0.63	1		04/14/12 19:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.3	0.81	1		04/14/12 19:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	8.3	0.83	1		04/14/12 19:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	8.3	0.50	1		04/14/12 19:35	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.3	1.4	1		04/14/12 19:35	540-59-0	
1,1-Dichloroethene	ND	ug/kg	8.3	0.98	1		04/14/12 19:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	0.63	1		04/14/12 19:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	0.73	1		04/14/12 19:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	8.3	0.55	1		04/14/12 19:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	8.3	0.51	1		04/14/12 19:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	8.3	0.73	1		04/14/12 19:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	8.3	0.71	1		04/14/12 19:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	8.3	0.66	1		04/14/12 19:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	8.3	0.53	1		04/14/12 19:35	10061-02-6	
Ethylbenzene	ND	ug/kg	8.3	0.76	1		04/14/12 19:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	8.3	1.1	1		04/14/12 19:35	87-68-3	
2-Hexanone	ND	ug/kg	33.2	1.1	1		04/14/12 19:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	8.3	0.70	1		04/14/12 19:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	8.3	0.80	1		04/14/12 19:35	99-87-6	
Methylene chloride	ND	ug/kg	8.3	1.4	1		04/14/12 19:35	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: SB119C 18-20 **Lab ID: 60119177006** Collected: 04/10/12 11:55 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	16.6	1.1	1		04/14/12 19:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	8.3	0.56	1		04/14/12 19:35	1634-04-4	
Naphthalene	ND	ug/kg	16.6	0.38	1		04/14/12 19:35	91-20-3	
n-Propylbenzene	ND	ug/kg	8.3	0.65	1		04/14/12 19:35	103-65-1	
Styrene	ND	ug/kg	8.3	0.60	1		04/14/12 19:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.3	0.46	1		04/14/12 19:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.3	0.38	1		04/14/12 19:35	79-34-5	
Tetrachloroethene	ND	ug/kg	8.3	0.81	1		04/14/12 19:35	127-18-4	
Toluene	ND	ug/kg	8.3	0.63	1		04/14/12 19:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	8.3	0.40	1		04/14/12 19:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	8.3	1.1	1		04/14/12 19:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	8.3	0.78	1		04/14/12 19:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	8.3	0.46	1		04/14/12 19:35	79-00-5	
Trichloroethene	ND	ug/kg	8.3	0.78	1		04/14/12 19:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	8.3	0.88	1		04/14/12 19:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	8.3	0.83	1		04/14/12 19:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	8.3	0.68	1		04/14/12 19:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	8.3	0.66	1		04/14/12 19:35	108-67-8	
Vinyl chloride	ND	ug/kg	8.3	1.1	1		04/14/12 19:35	75-01-4	
Xylene (Total)	ND	ug/kg	8.3	1.9	1		04/14/12 19:35	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	88	%	68-129		1		04/14/12 19:35	1868-53-7	
Toluene-d8 (S)	96	%	81-121		1		04/14/12 19:35	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-131		1		04/14/12 19:35	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	77-131		1		04/14/12 19:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**37.4**	%	0.50	0.50	1		04/13/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: SB118A 6-8 **Lab ID: 60119177007** Collected: 04/10/12 13:00 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**22.5**	ug/kg	19.2	2.3	1		04/16/12 18:19	67-64-1	L1
Benzene	ND	ug/kg	4.8	0.36	1		04/16/12 18:19	71-43-2	
Bromobenzene	ND	ug/kg	4.8	0.29	1		04/16/12 18:19	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	0.64	1		04/16/12 18:19	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	0.23	1		04/16/12 18:19	75-27-4	
Bromoform	ND	ug/kg	4.8	0.30	1		04/16/12 18:19	75-25-2	
Bromomethane	ND	ug/kg	4.8	0.70	1		04/16/12 18:19	74-83-9	
2-Butanone (MEK)	**7.3J**	ug/kg	9.6	2.9	1		04/16/12 18:19	78-93-3	
n-Butylbenzene	**1.7J**	ug/kg	4.8	0.40	1		04/16/12 18:19	104-51-8	
sec-Butylbenzene	**2.6J**	ug/kg	4.8	0.47	1		04/16/12 18:19	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	0.41	1		04/16/12 18:19	98-06-6	
Carbon disulfide	ND	ug/kg	4.8	1.2	1		04/16/12 18:19	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	0.49	1		04/16/12 18:19	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	0.30	1		04/16/12 18:19	108-90-7	
Chloroethane	ND	ug/kg	4.8	0.55	1		04/16/12 18:19	75-00-3	
Chloroform	ND	ug/kg	4.8	0.37	1		04/16/12 18:19	67-66-3	
Chloromethane	ND	ug/kg	4.8	0.58	1		04/16/12 18:19	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	0.44	1		04/16/12 18:19	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	0.38	1		04/16/12 18:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.6	0.31	1		04/16/12 18:19	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	0.23	1		04/16/12 18:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	0.30	1		04/16/12 18:19	106-93-4	
Dibromomethane	ND	ug/kg	4.8	0.29	1		04/16/12 18:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	0.32	1		04/16/12 18:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	0.33	1		04/16/12 18:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	0.36	1		04/16/12 18:19	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.8	0.47	1		04/16/12 18:19	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	0.48	1		04/16/12 18:19	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	0.29	1		04/16/12 18:19	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.8	0.79	1		04/16/12 18:19	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.8	0.57	1		04/16/12 18:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.4	0.36	1		04/16/12 18:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.4	0.42	1		04/16/12 18:19	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	0.32	1		04/16/12 18:19	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	0.30	1		04/16/12 18:19	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	0.42	1		04/16/12 18:19	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	0.41	1		04/16/12 18:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	0.38	1		04/16/12 18:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	0.31	1		04/16/12 18:19	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	0.44	1		04/16/12 18:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	0.65	1		04/16/12 18:19	87-68-3	
2-Hexanone	ND	ug/kg	19.2	0.62	1		04/16/12 18:19	591-78-6	
Isopropylbenzene (Cumene)	**0.99J**	ug/kg	4.8	0.40	1		04/16/12 18:19	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	0.46	1		04/16/12 18:19	99-87-6	
Methylene chloride	ND	ug/kg	4.8	0.79	1		04/16/12 18:19	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: SB118A 6-8 **Lab ID: 60119177007** Collected: 04/10/12 13:00 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.6	0.64	1		04/16/12 18:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	0.33	1		04/16/12 18:19	1634-04-4	
Naphthalene	**2.6J**	ug/kg	9.6	0.22	1		04/16/12 18:19	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	0.37	1		04/16/12 18:19	103-65-1	
Styrene	ND	ug/kg	4.8	0.35	1		04/16/12 18:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	0.27	1		04/16/12 18:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	0.22	1		04/16/12 18:19	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	0.47	1		04/16/12 18:19	127-18-4	
Toluene	ND	ug/kg	4.8	0.36	1		04/16/12 18:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	0.23	1		04/16/12 18:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	0.66	1		04/16/12 18:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	0.45	1		04/16/12 18:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	0.27	1		04/16/12 18:19	79-00-5	
Trichloroethene	ND	ug/kg	4.8	0.45	1		04/16/12 18:19	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	0.51	1		04/16/12 18:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	0.48	1		04/16/12 18:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	0.39	1		04/16/12 18:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	0.38	1		04/16/12 18:19	108-67-8	
Vinyl chloride	ND	ug/kg	4.8	0.62	1		04/16/12 18:19	75-01-4	
Xylene (Total)	ND	ug/kg	4.8	1.1	1		04/16/12 18:19	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	68-129		1		04/16/12 18:19	1868-53-7	
Toluene-d8 (S)	98	%	81-121		1		04/16/12 18:19	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-131		1		04/16/12 18:19	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	77-131		1		04/16/12 18:19	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.50	0.50	1		04/13/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW 157 18-20 **Lab ID: 60119177009** Collected: 04/10/12 15:15 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**31.9**	ug/kg	21.8	2.7	1		04/16/12 18:35	67-64-1	L1
Benzene	ND	ug/kg	5.5	0.41	1		04/16/12 18:35	71-43-2	
Bromobenzene	ND	ug/kg	5.5	0.33	1		04/16/12 18:35	108-86-1	
Bromochloromethane	ND	ug/kg	5.5	0.73	1		04/16/12 18:35	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	0.26	1		04/16/12 18:35	75-27-4	
Bromoform	ND	ug/kg	5.5	0.34	1		04/16/12 18:35	75-25-2	
Bromomethane	ND	ug/kg	5.5	0.80	1		04/16/12 18:35	74-83-9	
2-Butanone (MEK)	**10.5J**	ug/kg	10.9	3.4	1		04/16/12 18:35	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	0.46	1		04/16/12 18:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	0.53	1		04/16/12 18:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.5	0.47	1		04/16/12 18:35	98-06-6	
Carbon disulfide	ND	ug/kg	5.5	1.4	1		04/16/12 18:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	0.56	1		04/16/12 18:35	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	0.34	1		04/16/12 18:35	108-90-7	
Chloroethane	ND	ug/kg	5.5	0.62	1		04/16/12 18:35	75-00-3	
Chloroform	ND	ug/kg	5.5	0.43	1		04/16/12 18:35	67-66-3	
Chloromethane	ND	ug/kg	5.5	0.65	1		04/16/12 18:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.5	0.50	1		04/16/12 18:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.5	0.44	1		04/16/12 18:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.9	0.35	1		04/16/12 18:35	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	0.26	1		04/16/12 18:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	0.34	1		04/16/12 18:35	106-93-4	
Dibromomethane	ND	ug/kg	5.5	0.33	1		04/16/12 18:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.5	0.36	1		04/16/12 18:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	0.37	1		04/16/12 18:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	0.41	1		04/16/12 18:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.5	0.53	1		04/16/12 18:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	0.55	1		04/16/12 18:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	0.33	1		04/16/12 18:35	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.5	0.90	1		04/16/12 18:35	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.5	0.64	1		04/16/12 18:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.7	0.41	1		04/16/12 18:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.7	0.48	1		04/16/12 18:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	0.36	1		04/16/12 18:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.5	0.34	1		04/16/12 18:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.5	0.48	1		04/16/12 18:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.5	0.47	1		04/16/12 18:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	0.44	1		04/16/12 18:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	0.35	1		04/16/12 18:35	10061-02-6	
Ethylbenzene	ND	ug/kg	5.5	0.50	1		04/16/12 18:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	0.74	1		04/16/12 18:35	87-68-3	
2-Hexanone	ND	ug/kg	21.8	0.71	1		04/16/12 18:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	0.46	1		04/16/12 18:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.5	0.52	1		04/16/12 18:35	99-87-6	
Methylene chloride	ND	ug/kg	5.5	0.90	1		04/16/12 18:35	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TMW 157 18-20 **Lab ID: 60119177009** Collected: 04/10/12 15:15 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**3.3J**	ug/kg	10.9	0.73	1		04/16/12 18:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	0.37	1		04/16/12 18:35	1634-04-4	
Naphthalene	ND	ug/kg	10.9	0.25	1		04/16/12 18:35	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	0.43	1		04/16/12 18:35	103-65-1	
Styrene	ND	ug/kg	5.5	0.39	1		04/16/12 18:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	0.31	1		04/16/12 18:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	0.25	1		04/16/12 18:35	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	0.53	1		04/16/12 18:35	127-18-4	
Toluene	ND	ug/kg	5.5	0.41	1		04/16/12 18:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	0.26	1		04/16/12 18:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	0.75	1		04/16/12 18:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	0.51	1		04/16/12 18:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	0.31	1		04/16/12 18:35	79-00-5	
Trichloroethene	ND	ug/kg	5.5	0.51	1		04/16/12 18:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	0.58	1		04/16/12 18:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.5	0.55	1		04/16/12 18:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.5	0.45	1		04/16/12 18:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.5	0.44	1		04/16/12 18:35	108-67-8	
Vinyl chloride	ND	ug/kg	5.5	0.71	1		04/16/12 18:35	75-01-4	
Xylene (Total)	ND	ug/kg	5.5	1.3	1		04/16/12 18:35	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	68-129		1		04/16/12 18:35	1868-53-7	
Toluene-d8 (S)	97	%	81-121		1		04/16/12 18:35	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-131		1		04/16/12 18:35	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	77-131		1		04/16/12 18:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.4**	%	0.50	0.50	1		04/13/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TRIP BLANK **Lab ID: 60119177012** Collected: 04/10/12 00:00 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	20.0	2.4	1		04/16/12 15:31	67-64-1	L3
Benzene	ND	ug/kg	5.0	0.38	1		04/16/12 15:31	71-43-2	
Bromobenzene	ND	ug/kg	5.0	0.30	1		04/16/12 15:31	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	0.67	1		04/16/12 15:31	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	0.24	1		04/16/12 15:31	75-27-4	
Bromoform	ND	ug/kg	5.0	0.31	1		04/16/12 15:31	75-25-2	
Bromomethane	ND	ug/kg	5.0	0.73	1		04/16/12 15:31	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	3.1	1		04/16/12 15:31	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	0.42	1		04/16/12 15:31	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	0.49	1		04/16/12 15:31	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	0.43	1		04/16/12 15:31	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1.3	1		04/16/12 15:31	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	0.51	1		04/16/12 15:31	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	0.31	1		04/16/12 15:31	108-90-7	
Chloroethane	ND	ug/kg	5.0	0.57	1		04/16/12 15:31	75-00-3	
Chloroform	ND	ug/kg	5.0	0.39	1		04/16/12 15:31	67-66-3	
Chloromethane	ND	ug/kg	5.0	0.60	1		04/16/12 15:31	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	0.46	1		04/16/12 15:31	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	0.40	1		04/16/12 15:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	0.32	1		04/16/12 15:31	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	0.24	1		04/16/12 15:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	0.31	1		04/16/12 15:31	106-93-4	
Dibromomethane	ND	ug/kg	5.0	0.30	1		04/16/12 15:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	0.33	1		04/16/12 15:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	0.34	1		04/16/12 15:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	0.38	1		04/16/12 15:31	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	0.49	1		04/16/12 15:31	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	0.50	1		04/16/12 15:31	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	0.30	1		04/16/12 15:31	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	0.82	1		04/16/12 15:31	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	0.59	1		04/16/12 15:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.5	0.38	1		04/16/12 15:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.5	0.44	1		04/16/12 15:31	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	0.33	1		04/16/12 15:31	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	0.31	1		04/16/12 15:31	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	0.44	1		04/16/12 15:31	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	0.43	1		04/16/12 15:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	0.40	1		04/16/12 15:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	0.32	1		04/16/12 15:31	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	0.46	1		04/16/12 15:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	0.68	1		04/16/12 15:31	87-68-3	
2-Hexanone	ND	ug/kg	20.0	0.65	1		04/16/12 15:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	0.42	1		04/16/12 15:31	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	0.48	1		04/16/12 15:31	99-87-6	
Methylene chloride	ND	ug/kg	5.0	0.82	1		04/16/12 15:31	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119177

Sample: TRIP BLANK **Lab ID: 60119177012** Collected: 04/10/12 00:00 Received: 04/10/12 17:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	0.67	1		04/16/12 15:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	0.34	1		04/16/12 15:31	1634-04-4	
Naphthalene	ND	ug/kg	10.0	0.23	1		04/16/12 15:31	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	0.39	1		04/16/12 15:31	103-65-1	
Styrene	ND	ug/kg	5.0	0.36	1		04/16/12 15:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	0.28	1		04/16/12 15:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	0.23	1		04/16/12 15:31	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	0.49	1		04/16/12 15:31	127-18-4	
Toluene	ND	ug/kg	5.0	0.38	1		04/16/12 15:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	0.24	1		04/16/12 15:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	0.69	1		04/16/12 15:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	0.47	1		04/16/12 15:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	0.28	1		04/16/12 15:31	79-00-5	
Trichloroethene	ND	ug/kg	5.0	0.47	1		04/16/12 15:31	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	0.53	1		04/16/12 15:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	0.50	1		04/16/12 15:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	0.41	1		04/16/12 15:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	0.40	1		04/16/12 15:31	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	0.65	1		04/16/12 15:31	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1.2	1		04/16/12 15:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	68-129		1		04/16/12 15:31	1868-53-7	
Toluene-d8 (S)	98	%	81-121		1		04/16/12 15:31	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-131		1		04/16/12 15:31	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	77-131		1		04/16/12 15:31	17060-07-0	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

QC Batch: MSV/44950 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60119177001, 60119177002, 60119177004, 60119177005, 60119177006

METHOD BLANK: 982288 Matrix: Solid
Associated Lab Samples: 60119177001, 60119177002, 60119177004, 60119177005, 60119177006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/14/12 16:30	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/14/12 16:30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/14/12 16:30	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/14/12 16:30	
1,1-Dichloroethane	ug/kg	ND	5.0	04/14/12 16:30	
1,1-Dichloroethene	ug/kg	ND	5.0	04/14/12 16:30	
1,1-Dichloropropene	ug/kg	ND	5.0	04/14/12 16:30	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/14/12 16:30	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/14/12 16:30	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/14/12 16:30	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/14/12 16:30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	04/14/12 16:30	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/14/12 16:30	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/14/12 16:30	
1,2-Dichloroethane	ug/kg	ND	5.0	04/14/12 16:30	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	04/14/12 16:30	
1,2-Dichloropropane	ug/kg	ND	5.0	04/14/12 16:30	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/14/12 16:30	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/14/12 16:30	
1,3-Dichloropropane	ug/kg	ND	5.0	04/14/12 16:30	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/14/12 16:30	
2,2-Dichloropropane	ug/kg	ND	5.0	04/14/12 16:30	
2-Butanone (MEK)	ug/kg	ND	10.0	04/14/12 16:30	
2-Chlorotoluene	ug/kg	ND	5.0	04/14/12 16:30	
2-Hexanone	ug/kg	ND	20.0	04/14/12 16:30	
4-Chlorotoluene	ug/kg	ND	5.0	04/14/12 16:30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	04/14/12 16:30	
Acetone	ug/kg	ND	20.0	04/14/12 16:30	
Benzene	ug/kg	ND	5.0	04/14/12 16:30	
Bromobenzene	ug/kg	ND	5.0	04/14/12 16:30	
Bromochloromethane	ug/kg	ND	5.0	04/14/12 16:30	
Bromodichloromethane	ug/kg	ND	5.0	04/14/12 16:30	
Bromoform	ug/kg	ND	5.0	04/14/12 16:30	
Bromomethane	ug/kg	ND	5.0	04/14/12 16:30	
Carbon disulfide	ug/kg	ND	5.0	04/14/12 16:30	
Carbon tetrachloride	ug/kg	ND	5.0	04/14/12 16:30	
Chlorobenzene	ug/kg	ND	5.0	04/14/12 16:30	
Chloroethane	ug/kg	ND	5.0	04/14/12 16:30	
Chloroform	ug/kg	ND	5.0	04/14/12 16:30	
Chloromethane	ug/kg	ND	5.0	04/14/12 16:30	
cis-1,2-Dichloroethene	ug/kg	ND	2.5	04/14/12 16:30	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/14/12 16:30	
Dibromochloromethane	ug/kg	ND	5.0	04/14/12 16:30	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

METHOD BLANK: 982288 Matrix: Solid

Associated Lab Samples: 60119177001, 60119177002, 60119177004, 60119177005, 60119177006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	04/14/12 16:30	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/14/12 16:30	
Ethylbenzene	ug/kg	ND	5.0	04/14/12 16:30	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/14/12 16:30	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/14/12 16:30	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/14/12 16:30	
Methylene chloride	ug/kg	ND	5.0	04/14/12 16:30	
n-Butylbenzene	ug/kg	ND	5.0	04/14/12 16:30	
n-Propylbenzene	ug/kg	ND	5.0	04/14/12 16:30	
Naphthalene	ug/kg	ND	10.0	04/14/12 16:30	
p-Isopropyltoluene	ug/kg	ND	5.0	04/14/12 16:30	
sec-Butylbenzene	ug/kg	ND	5.0	04/14/12 16:30	
Styrene	ug/kg	ND	5.0	04/14/12 16:30	
tert-Butylbenzene	ug/kg	ND	5.0	04/14/12 16:30	
Tetrachloroethene	ug/kg	ND	5.0	04/14/12 16:30	
Toluene	ug/kg	ND	5.0	04/14/12 16:30	
trans-1,2-Dichloroethene	ug/kg	ND	2.5	04/14/12 16:30	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/14/12 16:30	
Trichloroethene	ug/kg	ND	5.0	04/14/12 16:30	
Trichlorofluoromethane	ug/kg	ND	5.0	04/14/12 16:30	
Vinyl chloride	ug/kg	ND	5.0	04/14/12 16:30	
Xylene (Total)	ug/kg	ND	5.0	04/14/12 16:30	
1,2-Dichloroethane-d4 (S)	%	103	77-131	04/14/12 16:30	
4-Bromofluorobenzene (S)	%	96	75-131	04/14/12 16:30	
Dibromofluoromethane (S)	%	100	68-129	04/14/12 16:30	
Toluene-d8 (S)	%	98	81-121	04/14/12 16:30	

LABORATORY CONTROL SAMPLE: 982289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	100	100	86-124	
1,1,1-Trichloroethane	ug/kg	100	104	104	83-119	
1,1,2,2-Tetrachloroethane	ug/kg	100	94.7	95	83-120	
1,1,2-Trichloroethane	ug/kg	100	95.6	96	85-120	
1,1-Dichloroethane	ug/kg	100	94.0	94	82-118	
1,1-Dichloroethene	ug/kg	100	107	107	78-125	
1,1-Dichloropropene	ug/kg	100	108	108	82-122	
1,2,3-Trichlorobenzene	ug/kg	100	94.9	95	81-126	
1,2,3-Trichloropropane	ug/kg	100	94.7	95	82-120	
1,2,4-Trichlorobenzene	ug/kg	100	98.3	98	74-122	
1,2,4-Trimethylbenzene	ug/kg	100	98.5	98	80-120	
1,2-Dibromo-3-chloropropane	ug/kg	100	96.5	96	73-120	
1,2-Dibromoethane (EDB)	ug/kg	100	99.9	100	85-121	
1,2-Dichlorobenzene	ug/kg	100	97.4	97	83-120	
1,2-Dichloroethane	ug/kg	100	92.5	93	80-120	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

LABORATORY CONTROL SAMPLE: 982289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/kg	200	204	102	84-121	
1,2-Dichloropropane	ug/kg	100	99.3	99	85-118	
1,3,5-Trimethylbenzene	ug/kg	100	100	100	83-121	
1,3-Dichlorobenzene	ug/kg	100	98.6	99	81-117	
1,3-Dichloropropane	ug/kg	100	92.3	92	84-122	
1,4-Dichlorobenzene	ug/kg	100	98.3	98	80-117	
2,2-Dichloropropane	ug/kg	100	103	103	76-121	
2-Butanone (MEK)	ug/kg	500	684	137	66-123	L0
2-Chlorotoluene	ug/kg	100	95.3	95	83-120	
2-Hexanone	ug/kg	500	626	125	79-127	
4-Chlorotoluene	ug/kg	100	96.9	97	81-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	525	105	78-122	
Acetone	ug/kg	500	1110	222	63-123	L0
Benzene	ug/kg	100	101	101	84-119	
Bromobenzene	ug/kg	100	103	103	85-119	
Bromochloromethane	ug/kg	100	94.4	94	82-123	
Bromodichloromethane	ug/kg	100	97.2	97	84-126	
Bromoform	ug/kg	100	103	103	73-112	
Bromomethane	ug/kg	100	119	119	66-132	
Carbon disulfide	ug/kg	100	102	102	62-150	
Carbon tetrachloride	ug/kg	100	105	105	78-126	
Chlorobenzene	ug/kg	100	97.5	98	83-116	
Chloroethane	ug/kg	100	124	124	79-132	
Chloroform	ug/kg	100	92.0	92	79-115	
Chloromethane	ug/kg	100	103	103	61-141	
cis-1,2-Dichloroethene	ug/kg	100	91.8	92	83-120	
cis-1;3-Dichloropropene	ug/kg	100	97.6	98	86-124	
Dibromochloromethane	ug/kg	100	104	104	78-117	
Dibromomethane	ug/kg	100	97.6	98	58-117	
Dichlorodifluoromethane	ug/kg	100	100	100	32-177	
Ethylbenzene	ug/kg	100	104	104	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	105	105	77-125	
Isopropylbenzene (Cumene)	ug/kg	100	117	117	72-120	
Methyl-tert-butyl ether	ug/kg	100	92.0	92	80-125	
Methylene chloride	ug/kg	100	113	113	50-150	
n-Butylbenzene	ug/kg	100	107	107	75-132	
n-Propylbenzene	ug/kg	100	101	101	79-119	
Naphthalene	ug/kg	100	95.9	96	75-131	
p-Isopropyltoluene	ug/kg	100	103	103	79-119	
sec-Butylbenzene	ug/kg	100	105	105	82-124	
Styrene	ug/kg	100	104	104	82-120	
tert-Butylbenzene	ug/kg	100	101	101	82-121	
Tetrachloroethene	ug/kg	100	107	107	81-119	
Toluene	ug/kg	100	103	103	83-117	
trans-1,2-Dichloroethene	ug/kg	100	112	112	84-123	
trans-1,3-Dichloropropene	ug/kg	100	101	101	74-115	
Trichloroethene	ug/kg	100	102	102	84-117	
Trichlorofluoromethane	ug/kg	100	109	109	79-127	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

LABORATORY CONTROL SAMPLE: 982289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/kg	100	118	118	67-128	
Xylene (Total)	ug/kg	300	311	104	80-120	
1,2-Dichloroethane-d4 (S)	%			97	77-131	
4-Bromofluorobenzene (S)	%			104	75-131	
Dibromofluoromethane (S)	%			97	68-129	
Toluene-d8 (S)	%			98	81-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 982290 982291

Parameter	Units	60119177006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	158	163	124	96.9	78	60	28-150	24	28	
1,1,1-Trichloroethane	ug/kg	ND	158	163	154	117	97	72	48-139	27	31	
1,1,2,2-Tetrachloroethane	ug/kg	ND	158	163	133	99.7	84	61	22-157	28	40	
1,1,2-Trichloroethane	ug/kg	ND	158	163	136	108	86	67	36-158	23	30	
1,1-Dichloroethane	ug/kg	ND	158	163	135	112	85	69	54-130	18	29	
1,1-Dichloroethene	ug/kg	ND	158	163	148	118	94	72	30-142	23	35	
1,1-Dichloropropene	ug/kg	ND	158	163	157	117	99	72	37-145	30	33	
1,2,3-Trichlorobenzene	ug/kg	ND	158	163	82.8	47.1	52	29	10-143	55	33	D6
1,2,3-Trichloropropane	ug/kg	ND	158	163	138	104	87	64	31-158	27	34	
1,2,4-Trichlorobenzene	ug/kg	ND	158	163	82.7	45.3	52	28	10-134	58	34	D6
1,2,4-Trimethylbenzene	ug/kg	ND	158	163	120	70.1	76	43	29-130	52	35	D6
1,2-Dibromo-3-chloropropane	ug/kg	ND	158	163	132	100	84	62	23-135	27	38	
1,2-Dibromoethane (EDB)	ug/kg	ND	158	163	139	107	88	66	32-137	26	33	
1,2-Dichlorobenzene	ug/kg	ND	158	163	113	67.9	71	42	10-135	50	35	D6
1,2-Dichloroethane	ug/kg	ND	158	163	134	103	85	64	40-138	26	30	
1,2-Dichloroethene (Total)	ug/kg	ND	316	324	300	233	95	72	43-140	25	26	
1,2-Dichloropropane	ug/kg	ND	158	163	140	104	89	64	43-141	29	33	
1,3,5-Trimethylbenzene	ug/kg	ND	158	163	121	74.1	77	46	25-139	48	37	D6
1,3-Dichlorobenzene	ug/kg	ND	158	163	109	65.3	69	40	14-130	51	39	D6
1,3-Dichloropropane	ug/kg	ND	158	163	131	101	83	62	37-142	25	28	
1,4-Dichlorobenzene	ug/kg	ND	158	163	110	64.1	70	39	11-128	53	37	D6
2,2-Dichloropropane	ug/kg	ND	158	163	147	113	93	70	40-141	26	38	
2-Butanone (MEK)	ug/kg	10.7J	791	811	893	661	112	80	22-149	30	37	
2-Chlorotoluene	ug/kg	ND	158	163	118	73.8	74	45	26-141	46	36	D6
2-Hexanone	ug/kg	ND	791	811	774	628	98	77	25-145	21	39	
4-Chlorotoluene	ug/kg	ND	158	163	117	70.4	74	43	21-134	50	34	D6
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	791	811	806	597	102	74	22-145	30	34	
Acetone	ug/kg	27.4J	791	811	1070	835	132	100	15-153	25	38	
Benzene	ug/kg	ND	158	163	149	115	94	71	28-145	25	35	
Bromobenzene	ug/kg	ND	158	163	126	85.3	80	53	16-143	39	33	D6
Bromochloromethane	ug/kg	ND	158	163	158	115	100	71	45-133	32	32	
Bromodichloromethane	ug/kg	ND	158	163	128	95.5	81	59	36-145	29	29	
Bromoform	ug/kg	ND	158	163	120	96.1	76	59	20-140	22	33	
Bromomethane	ug/kg	ND	158	163	151	109	95	67	10-141	32	28	D6
Carbon disulfide	ug/kg	ND	158	163	131	102	83	63	21-141	25	30	
Carbon tetrachloride	ug/kg	ND	158	163	120	98.2	76	61	35-147	20	35	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 982290 982291

Parameter	Units	60119177006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/kg	ND	158	163	126	90.0	80	55	15-139	33	39	
Chloroethane	ug/kg	ND	158	163	165	129	104	79	20-138	24	39	
Chloroform	ug/kg	ND	158	163	146	107	93	66	47-135	31	30	D6
Chloromethane	ug/kg	ND	158	163	132	117	83	72	17-132	11	36	
cis-1,2-Dichloroethene	ug/kg	ND	158	163	148	107	94	66	35-147	33	34	
cis-1,3-Dichloropropene	ug/kg	ND	158	163	122	88.0	77	54	13-148	32	35	
Dibromochloromethane	ug/kg	ND	158	163	128	104	81	64	24-150	21	28	
Dibromomethane	ug/kg	ND	158	163	142	101	90	62	37-140	33	30	D6
Dichlorodifluoromethane	ug/kg	ND	158	163	126	109	80	67	10-156	15	37	
Ethylbenzene	ug/kg	ND	158	163	132	95.8	84	59	20-141	32	39	
Hexachloro-1,3-butadiene	ug/kg	ND	158	163	97.6	46.1	62	28	10-140	72	35	D6
Isopropylbenzene (Cumene)	ug/kg	ND	158	163	143	96.4	90	59	21-138	39	34	D6
Methyl-tert-butyl ether	ug/kg	ND	158	163	137	114	86	70	31-142	18	38	
Methylene chloride	ug/kg	ND	158	163	162	133	102	82	32-137	20	30	
n-Butylbenzene	ug/kg	ND	158	163	113	59.6	71	37	10-144	62	37	D6
n-Propylbenzene	ug/kg	ND	158	163	121	74.5	77	46	21-150	48	36	D6
Naphthalene	ug/kg	ND	158	163	99.1	67.0	63	41	20-160	39	44	
p-Isopropyltoluene	ug/kg	ND	158	163	119	66.7	75	41	12-146	56	38	D6
sec-Butylbenzene	ug/kg	ND	158	163	122	73.4	77	45	21-145	50	39	D6
Styrene	ug/kg	ND	158	163	125	82.9	79	51	9-153	40	34	D6
tert-Butylbenzene	ug/kg	ND	158	163	127	80.6	80	50	20-144	44	37	D6
Tetrachloroethene	ug/kg	ND	158	163	132	98.3	84	61	25-154	30	34	
Toluene	ug/kg	ND	158	163	138	96.0	87	59	19-148	36	37	
trans-1,2-Dichloroethene	ug/kg	ND	158	163	152	126	96	78	41-139	18	34	
trans-1,3-Dichloropropene	ug/kg	ND	158	163	125	95.7	79	59	11-140	27	35	
Trichloroethene	ug/kg	ND	158	163	137	99.0	86	61	25-156	32	32	
Trichlorofluoromethane	ug/kg	ND	158	163	139	113	88	69	26-145	21	34	
Vinyl chloride	ug/kg	ND	158	163	144	116	91	71	27-166	22	36	
Xylene (Total)	ug/kg	ND	474	487	396	274	83	56	10-140	36	39	
1,2-Dichloroethane-d4 (S)	%						112	105	77-131			
4-Bromofluorobenzene (S)	%						103	104	75-131			
Dibromofluoromethane (S)	%						111	102	68-129			
Toluene-d8 (S)	%						99	91	81-121			

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

QC Batch: MSV/44971 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60119177003, 60119177007, 60119177009, 60119177012

METHOD BLANK: 982582 Matrix: Solid
Associated Lab Samples: 60119177003, 60119177007, 60119177009, 60119177012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/16/12 13:43	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/16/12 13:43	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/16/12 13:43	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/16/12 13:43	
1,1-Dichloroethane	ug/kg	ND	5.0	04/16/12 13:43	
1,1-Dichloroethene	ug/kg	ND	5.0	04/16/12 13:43	
1,1-Dichloropropene	ug/kg	ND	5.0	04/16/12 13:43	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/16/12 13:43	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/16/12 13:43	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/16/12 13:43	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/16/12 13:43	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	04/16/12 13:43	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/16/12 13:43	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/16/12 13:43	
1,2-Dichloroethane	ug/kg	ND	5.0	04/16/12 13:43	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	04/16/12 13:43	
1,2-Dichloropropane	ug/kg	ND	5.0	04/16/12 13:43	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/16/12 13:43	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/16/12 13:43	
1,3-Dichloropropane	ug/kg	ND	5.0	04/16/12 13:43	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/16/12 13:43	
2,2-Dichloropropane	ug/kg	ND	5.0	04/16/12 13:43	
2-Butanone (MEK)	ug/kg	ND	10.0	04/16/12 13:43	
2-Chlorotoluene	ug/kg	ND	5.0	04/16/12 13:43	
2-Hexanone	ug/kg	ND	20.0	04/16/12 13:43	
4-Chlorotoluene	ug/kg	ND	5.0	04/16/12 13:43	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	04/16/12 13:43	
Acetone	ug/kg	ND	20.0	04/16/12 13:43	
Benzene	ug/kg	ND	5.0	04/16/12 13:43	
Bromobenzene	ug/kg	ND	5.0	04/16/12 13:43	
Bromochloromethane	ug/kg	ND	5.0	04/16/12 13:43	
Bromodichloromethane	ug/kg	ND	5.0	04/16/12 13:43	
Bromoform	ug/kg	ND	5.0	04/16/12 13:43	
Bromomethane	ug/kg	ND	5.0	04/16/12 13:43	
Carbon disulfide	ug/kg	ND	5.0	04/16/12 13:43	
Carbon tetrachloride	ug/kg	ND	5.0	04/16/12 13:43	
Chlorobenzene	ug/kg	ND	5.0	04/16/12 13:43	
Chloroethane	ug/kg	ND	5.0	04/16/12 13:43	
Chloroform	ug/kg	ND	5.0	04/16/12 13:43	
Chloromethane	ug/kg	ND	5.0	04/16/12 13:43	
cis-1,2-Dichloroethene	ug/kg	ND	2.5	04/16/12 13:43	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/16/12 13:43	
Dibromochloromethane	ug/kg	ND	5.0	04/16/12 13:43	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

METHOD BLANK: 982582 Matrix: Solid

Associated Lab Samples: 60119177003, 60119177007, 60119177009, 60119177012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	04/16/12 13:43	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/16/12 13:43	
Ethylbenzene	ug/kg	ND	5.0	04/16/12 13:43	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/16/12 13:43	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/16/12 13:43	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/16/12 13:43	
Methylene chloride	ug/kg	ND	5.0	04/16/12 13:43	
n-Butylbenzene	ug/kg	ND	5.0	04/16/12 13:43	
n-Propylbenzene	ug/kg	ND	5.0	04/16/12 13:43	
Naphthalene	ug/kg	ND	10.0	04/16/12 13:43	
p-Isopropyltoluene	ug/kg	ND	5.0	04/16/12 13:43	
sec-Butylbenzene	ug/kg	ND	5.0	04/16/12 13:43	
Styrene	ug/kg	ND	5.0	04/16/12 13:43	
tert-Butylbenzene	ug/kg	ND	5.0	04/16/12 13:43	
Tetrachloroethene	ug/kg	ND	5.0	04/16/12 13:43	
Toluene	ug/kg	ND	5.0	04/16/12 13:43	
trans-1,2-Dichloroethene	ug/kg	ND	2.5	04/16/12 13:43	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/16/12 13:43	
Trichloroethene	ug/kg	ND	5.0	04/16/12 13:43	
Trichlorofluoromethane	ug/kg	ND	5.0	04/16/12 13:43	
Vinyl chloride	ug/kg	ND	5.0	04/16/12 13:43	
Xylene (Total)	ug/kg	ND	5.0	04/16/12 13:43	
1,2-Dichloroethane-d4 (S)	%	105	77-131	04/16/12 13:43	
4-Bromofluorobenzene (S)	%	96	75-131	04/16/12 13:43	
Dibromofluoromethane (S)	%	105	68-129	04/16/12 13:43	
Toluene-d8 (S)	%	99	81-121	04/16/12 13:43	

LABORATORY CONTROL SAMPLE: 982583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	99.1	99	86-124	
1,1,1-Trichloroethane	ug/kg	100	100	100	83-119	
1,1,2,2-Tetrachloroethane	ug/kg	100	96.0	96	83-120	
1,1,2-Trichloroethane	ug/kg	100	96.0	96	85-120	
1,1-Dichloroethane	ug/kg	100	94.6	95	82-118	
1,1-Dichloroethene	ug/kg	100	105	105	78-125	
1,1-Dichloropropene	ug/kg	100	107	107	82-122	
1,2,3-Trichlorobenzene	ug/kg	100	95.3	95	81-126	
1,2,3-Trichloropropane	ug/kg	100	95.3	95	82-120	
1,2,4-Trichlorobenzene	ug/kg	100	96.2	96	74-122	
1,2,4-Trimethylbenzene	ug/kg	100	94.0	94	80-120	
1,2-Dibromo-3-chloropropane	ug/kg	100	99.9	100	73-120	
1,2-Dibromoethane (EDB)	ug/kg	100	98.4	98	85-121	
1,2-Dichlorobenzene	ug/kg	100	95.9	96	83-120	
1,2-Dichloroethane	ug/kg	100	92.5	93	80-120	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

LABORATORY CONTROL SAMPLE: 982583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/kg	200	208	104	84-121	
1,2-Dichloropropane	ug/kg	100	98.7	99	85-118	
1,3,5-Trimethylbenzene	ug/kg	100	94.9	95	83-121	
1,3-Dichlorobenzene	ug/kg	100	96.0	96	81-117	
1,3-Dichloropropane	ug/kg	100	91.0	91	84-122	
1,4-Dichlorobenzene	ug/kg	100	94.6	95	80-117	
2,2-Dichloropropane	ug/kg	100	97.7	98	76-121	
2-Butanone (MEK)	ug/kg	500	573	115	66-123	
2-Chlorotoluene	ug/kg	100	91.6	92	83-120	
2-Hexanone	ug/kg	500	534	107	79-127	
4-Chlorotoluene	ug/kg	100	93.7	94	81-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	530	106	78-122	
Acetone	ug/kg	500	759	152	63-123	L0
Benzene	ug/kg	100	104	104	84-119	
Bromobenzene	ug/kg	100	98.9	99	85-119	
Bromochloromethane	ug/kg	100	102	102	82-123	
Bromodichloromethane	ug/kg	100	98.1	98	84-126	
Bromoform	ug/kg	100	106	106	73-112	
Bromomethane	ug/kg	100	108	108	66-132	
Carbon disulfide	ug/kg	100	102	102	62-150	
Carbon tetrachloride	ug/kg	100	105	105	78-126	
Chlorobenzene	ug/kg	100	93.5	93	83-116	
Chloroethane	ug/kg	100	114	114	79-132	
Chloroform	ug/kg	100	93.7	94	79-115	
Chloromethane	ug/kg	100	99.7	100	61-141	
cis-1,2-Dichloroethene	ug/kg	100	94.3	94	83-120	
cis-1,3-Dichloropropene	ug/kg	100	98.2	98	86-124	
Dibromochloromethane	ug/kg	100	105	105	78-117	
Dibromomethane	ug/kg	100	97.8	98	58-117	
Dichlorodifluoromethane	ug/kg	100	98.0	98	32-177	
Ethylbenzene	ug/kg	100	98.9	99	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	101	101	77-125	
Isopropylbenzene (Cumene)	ug/kg	100	106	106	72-120	
Methyl-tert-butyl ether	ug/kg	100	99.1	99	80-125	
Methylene chloride	ug/kg	100	117	117	50-150	
n-Butylbenzene	ug/kg	100	98.5	98	75-132	
n-Propylbenzene	ug/kg	100	94.7	95	79-119	
Naphthalene	ug/kg	100	98.1	98	75-131	
p-Isopropyltoluene	ug/kg	100	96.9	97	79-119	
sec-Butylbenzene	ug/kg	100	97.4	97	82-124	
Styrene	ug/kg	100	97.8	98	82-120	
tert-Butylbenzene	ug/kg	100	97.7	98	82-121	
Tetrachloroethene	ug/kg	100	101	101	81-119	
Toluene	ug/kg	100	99.0	99	83-117	
trans-1,2-Dichloroethene	ug/kg	100	113	113	84-123	
trans-1,3-Dichloropropene	ug/kg	100	101	101	74-115	
Trichloroethene	ug/kg	100	97.7	98	84-117	
Trichlorofluoromethane	ug/kg	100	95.7	96	79-127	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

LABORATORY CONTROL SAMPLE: 982583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/kg	100	108	108	67-128	
Xylene (Total)	ug/kg	300	293	98	80-120	
1,2-Dichloroethane-d4 (S)	%			100	77-131	
4-Bromofluorobenzene (S)	%			100	75-131	
Dibromofluoromethane (S)	%			103	68-129	
Toluene-d8 (S)	%			99	81-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 982584 982585

Parameter	Units	60119376001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	129	128	79.5	83.4	62	65	28-150	5	28	
1,1,1-Trichloroethane	ug/kg	ND	129	128	88.3	99.5	68	78	48-139	12	31	
1,1,2,2-Tetrachloroethane	ug/kg	ND	129	128	70.4	73.6	55	58	22-157	4	40	
1,1,2-Trichloroethane	ug/kg	ND	129	128	79.7	82.7	62	65	36-158	4	30	
1,1-Dichloroethane	ug/kg	ND	129	128	82.6	92.9	64	73	54-130	12	29	
1,1-Dichloroethene	ug/kg	ND	129	128	88.7	101	69	79	30-142	13	35	
1,1-Dichloropropene	ug/kg	ND	129	128	90.9	103	70	81	37-145	13	33	
1,2,3-Trichlorobenzene	ug/kg	ND	129	128	37.5	40.3	29	32	10-143	7	33	
1,2,3-Trichloropropane	ug/kg	ND	129	128	74.0	78.3	57	61	31-158	6	34	
1,2,4-Trichlorobenzene	ug/kg	ND	129	128	42.6	43.8	33	34	10-134	3	34	
1,2,4-Trimethylbenzene	ug/kg	ND	129	128	69.0	68.7	53	54	29-130	0	35	
1,2-Dibromo-3-chloropropane	ug/kg	ND	129	128	64.2	69.2	50	54	23-135	8	38	
1,2-Dibromoethane (EDB)	ug/kg	ND	129	128	78.5	83.4	61	65	32-137	6	33	
1,2-Dichlorobenzene	ug/kg	ND	129	128	59.6	60.4	46	47	10-135	1	35	
1,2-Dichloroethane	ug/kg	ND	129	128	79.1	79.3	61	62	40-138	0	30	
1,2-Dichloroethene (Total)	ug/kg	ND	258	255	174	196	67	77	43-140	12	26	
1,2-Dichloropropane	ug/kg	ND	129	128	82.3	93.9	64	74	43-141	13	33	
1,3,5-Trimethylbenzene	ug/kg	ND	129	128	71.8	70.8	56	55	25-139	1	37	
1,3-Dichlorobenzene	ug/kg	ND	129	128	61.4	61.8	48	48	14-130	1	39	
1,3-Dichloropropane	ug/kg	ND	129	128	76.8	79.4	59	62	37-142	3	28	
1,4-Dichlorobenzene	ug/kg	ND	129	128	61.2	60.7	47	48	11-128	1	37	
2,2-Dichloropropane	ug/kg	ND	129	128	85.5	97.3	66	76	40-141	13	38	
2-Butanone (MEK)	ug/kg	ND	646	638	518	558	80	87	22-149	8	37	
2-Chlorotoluene	ug/kg	ND	129	128	68.8	69.2	53	54	26-141	1	36	
2-Hexanone	ug/kg	ND	646	638	463	471	72	74	25-145	2	39	
4-Chlorotoluene	ug/kg	ND	129	128	67.5	66.2	52	52	21-134	2	34	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	646	638	419	463	65	72	22-145	10	34	
Acetone	ug/kg	ND	646	638	806	825	125	129	15-153	2	38	
Benzene	ug/kg	ND	129	128	88.2	90.2	68	71	28-145	2	35	
Bromobenzene	ug/kg	ND	129	128	71.6	72.1	55	56	16-143	1	33	
Bromochloromethane	ug/kg	ND	129	128	87.2	96.6	67	76	45-133	10	32	
Bromodichloromethane	ug/kg	ND	129	128	80.3	90.9	62	71	36-145	12	29	
Bromoform	ug/kg	ND	129	128	74.6	77.2	58	60	20-140	3	33	
Bromomethane	ug/kg	ND	129	128	81.3	98.6	63	77	10-141	19	28	
Carbon disulfide	ug/kg	ND	129	128	77.2	86.1	60	67	21-141	11	30	
Carbon tetrachloride	ug/kg	ND	129	128	87.0	100	67	78	35-147	14	35	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 982584 982585

Parameter	Units	60119376001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/kg	ND	129	128	74.9	77.0	58	60	15-139	3	39	
Chloroethane	ug/kg	ND	129	128	92.0	109	71	85	20-138	17	39	
Chloroform	ug/kg	ND	129	128	79.8	88.6	62	69	47-135	10	30	
Chloromethane	ug/kg	ND	129	128	74.1	87.5	57	69	17-132	17	36	
cis-1,2-Dichloroethene	ug/kg	ND	129	128	80.1	90.9	62	71	35-147	13	34	
cis-1,3-Dichloropropene	ug/kg	ND	129	128	75.7	86.2	59	67	13-148	13	35	
Dibromochloromethane	ug/kg	ND	129	128	83.0	88.2	64	69	24-150	6	28	
Dibromomethane	ug/kg	ND	129	128	80.4	87.5	62	69	37-140	9	30	
Dichlorodifluoromethane	ug/kg	ND	129	128	65.5	76.5	51	60	10-156	16	37	
Ethylbenzene	ug/kg	ND	129	128	81.8	83.6	63	65	20-141	2	39	
Hexachloro-1,3-butadiene	ug/kg	ND	129	128	56.7	53.5	44	42	10-140	6	35	
Isopropylbenzene (Cumene)	ug/kg	ND	129	128	84.9	84.9	66	66	21-138	0	34	
Methyl-tert-butyl ether	ug/kg	ND	129	128	81.1	88.9	63	70	31-142	9	38	
Methylene chloride	ug/kg	ND	129	128	97.4	110	75	86	32-137	12	30	
n-Butylbenzene	ug/kg	ND	129	128	67.5	63.9	52	50	10-144	5	37	
n-Propylbenzene	ug/kg	ND	129	128	73.6	71.8	57	56	21-150	2	36	
Naphthalene	ug/kg	ND	129	128	42.6	46.2	33	36	20-160	8	44	
p-Isopropyltoluene	ug/kg	ND	129	128	70.5	68.8	55	54	12-146	2	38	
sec-Butylbenzene	ug/kg	ND	129	128	73.1	72.0	57	56	21-145	2	39	
Styrene	ug/kg	ND	129	128	72.8	73.6	56	58	9-153	1	34	
tert-Butylbenzene	ug/kg	ND	129	128	75.2	75.7	58	59	20-144	1	37	
Tetrachloroethene	ug/kg	ND	129	128	83.3	87.3	64	68	25-154	5	34	
Toluene	ug/kg	ND	129	128	80.3	89.8	62	70	19-148	11	37	
trans-1,2-Dichloroethene	ug/kg	ND	129	128	94.0	105	73	82	41-139	11	34	
trans-1,3-Dichloropropene	ug/kg	ND	129	128	76.7	81.7	59	64	11-140	6	35	
Trichloroethene	ug/kg	ND	129	128	82.8	92.5	64	72	25-156	11	32	
Trichlorofluoromethane	ug/kg	ND	129	128	82.4	95.3	64	75	26-145	15	34	
Vinyl chloride	ug/kg	ND	129	128	75.1	90.5	58	71	27-166	19	36	
Xylene (Total)	ug/kg	ND	388	383	238	243	61	63	10-140	2	39	
1,2-Dichloroethane-d4 (S)	%						105	101	77-131			
4-Bromofluorobenzene (S)	%						102	100	75-131			
Dibromofluoromethane (S)	%						103	108	68-129			
Toluene-d8 (S)	%						94	99	81-121			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119177

QC Batch: PMST/7155 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 60119177001, 60119177002, 60119177003, 60119177004, 60119177005, 60119177006, 60119177007, 60119177009

METHOD BLANK: 981345 Matrix: Solid
Associated Lab Samples: 60119177001, 60119177002, 60119177003, 60119177004, 60119177005, 60119177006, 60119177007, 60119177009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	04/13/12 00:00	

SAMPLE DUPLICATE: 981346

Parameter	Units	60119177006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	37.4	37.5	0	20	

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QUALIFIERS

Project: FAIRFAX I
Pace Project No.: 60119177

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRFAX I
Pace Project No.: 60119177

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60119177001	TMW-147S 18-20	EPA 8260	MSV/44950		
60119177002	TMW-147E 18-20	EPA 8260	MSV/44950		
60119177003	TMW-147N 18-20	EPA 8260	MSV/44971		
60119177004	TMW-147W 18-20	EPA 8260	MSV/44950		
60119177005	SB120A 18-20	EPA 8260	MSV/44950		
60119177006	SB119C 18-20	EPA 8260	MSV/44950		
60119177007	SB118A 6-8	EPA 8260	MSV/44971		
60119177009	TMW 157 18-20	EPA 8260	MSV/44971		
60119177012	TRIP BLANK	EPA 8260	MSV/44971		
60119177001	TMW-147S 18-20	ASTM D2974-87	PMST/7155		
60119177002	TMW-147E 18-20	ASTM D2974-87	PMST/7155		
60119177003	TMW-147N 18-20	ASTM D2974-87	PMST/7155		
60119177004	TMW-147W 18-20	ASTM D2974-87	PMST/7155		
60119177005	SB120A 18-20	ASTM D2974-87	PMST/7155		
60119177006	SB119C 18-20	ASTM D2974-87	PMST/7155		
60119177007	SB118A 6-8	ASTM D2974-87	PMST/7155		
60119177009	TMW 157 18-20	ASTM D2974-87	PMST/7155		

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CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

CHAIN-OF-CUSTODY RECORD

SHIPPED TO (Laboratory Name): Pace

REFERENCE NUMBER: 12559-T02-2012

PROJECT NAME: GM Fairfax

SAMPLER'S SIGNATURE: John Hargens **PRINTED NAME:** John Hargens

6011/9177

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS: TCL VOC / TCLP Full / RCF / Paint Filter / PCB	REMARKS	
	4-9-12	1507	TMW-147S 18-20	SOIL	6	✓	1DG9M, 2DG9B, 2VG9U, 1VG2U,	COL
		1535	TMW-147E 18-20	SOIL	6	✓		CO2
		1550	TMW-147N 18-20		6	✓		CO3
		1615	TMW-147W 18-20		6	✓		CO4
	↓	1725	~~Trip Blank~~ SB 120A 18-20		6	✓		CO5
	4-10-12	1155	SB 119C 18-20		18	✓	3DG9M, 6DG9B, 6VG9U, 3VG2U	MS MSD CO6
		1230	~~SB 118B 8-10~~ RCD 4/12/12		6	✓	1DG9M, 2DG9B, 2VG9U, 1VG2U	CO7
		1300	SB 118A 6-8		6	✓	1DG9M, 2DG9B, 2VG9U, 1VG2U	CO8
		1410	~~SB 50 13-15~~		3	✓ ✓ ✓ ✓	2VG9U, 1VG2U	
		1435	~~SB 51 13-15~~		3	✓ ✓ ✓ ✓		CO9
		1515	TMW 157 18-20		6	✓	3DG9M, 2DG9B, 2VG9U, 1VG2U	CO10
		1600	~~SB 49 14-16~~		6	✓		CO11
	↓	1630	~~SB 48 16-18~~		6	✓		CO12
			Trip Blank	↓	1	✓	1VG9U	

TOTAL NUMBER OF CONTAINERS 85

1:7-c

RELINQUISHED BY: ① John Hargens	DATE: 4-10-12 TIME: 1745	RECEIVED BY: ②	DATE: 4/10/12 TIME: 1745
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: in person **AIR BILL No.**

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:

DATE: TIME:

005989

1001-00(SOURCE)GN-CO004

Pace Package 38 of 39

5892-1/2

Sample Condition Upon Receipt

Pace Analytical® www.pacelabs.com

Client Name: Conestoga-Rovers & Associates Project # 60119177

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other ____

Tracking #: ____ Pace Shipping Label Used? ☐ Yes ☑ No

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☑ No

Optional
Proj. Due Date: 4/25
Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☑ Other Zip

Thermometer Used: (T-191) / T-194 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 1.7

Temperature should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: JJ 4/11

Chain of Custody present:	☑Yes ☐No ☐N/A	1.
Chain of Custody filled out:	☑Yes ☐No ☐N/A	2.
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	3.
Sampler name & signature on COC:	☑Yes ☐No ☐N/A	4.
Samples arrived within holding time:	☑Yes ☐No ☐N/A	5.
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	7.
Sufficient volume:	☑Yes ☐No ☐N/A	8.
Correct containers used:	☑Yes ☐No ☐N/A	9.
-Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes ☐No ☑N/A	11.
Filtered volume received for dissolved tests	☐Yes ☐No ☑N/A	12.
Sample labels match COC:	☐Yes ☑No ☐N/A	13. Missing SB 118B 8-10 2 VOAs, 1 WGFU 4/10 1435
-Includes date/time/ID/analyses Matrix: Soil		No SB 51 13-15 have extra SB 51 10-13
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Exceptions: (VOA), coliform, TOC, O&G, WI-DRO (water), Phenolics	☑Yes ☐No	Initial when completed ____ Lot # of added preservative ____
Trip Blank present:	☑Yes ☐No ☐N/A	15.
Pace Trip Blank lot # (if purchased): 022012-3		
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	16.
Project sampled in USDA Regulated Area:	☐Yes ☐No ☑N/A	17. List State: ____

Client Notification/ Resolution: Copy COC to Client? Y / (N) Field Data Required? Y (N)

Person Contacted: Jodi Date/Time:

Comments/ Resolution: Cancel these samples: SB5013-15; SB5113-15; SB4914-16; SB4816-18.
Jodi Checking on SB118B 8-10.
4/13 - SB118B 8-10 RUD 4/12

Project Manager Review: ____ Date: 4/12/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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April 26, 2012

Phil Harvey
Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

RE: Project: FAIRFAX I
Pace Project No.: 60119289

Dear Phil Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on April 12, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angie Brown

Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Travis Kogl, Conestoga-Rovers & Associates

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CERTIFICATIONS

Project: FAIRFAX I
Pace Project No.: 60119289

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: FAIRFAX I
Pace Project No.: 60119289

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60119289001	**TMW 155 18-20**	Solid	04/11/12 10:30	04/12/12 16:25
60119289002	**TMW 154 16-18**	Solid	04/11/12 11:10	04/12/12 16:25
60119289003	**TMW 153 18-20**	Solid	04/11/12 12:05	04/12/12 16:25
60119289004	**SB305 4-6**	Solid	04/11/12 13:30	04/12/12 16:25
60119289005	**BACKGROUND 1-2**	Solid	04/11/12 14:00	04/12/12 16:25
60119289006	**BACKGROUND 10-12**	Solid	04/11/12 14:10	04/12/12 16:25
60119289007	**SB48 13-15**	Solid	04/11/12 15:02	04/12/12 16:25
60119289008	**SB49 13-15**	Solid	04/11/12 15:20	04/12/12 16:25
60119289009	**SB51 18-20**	Solid	04/11/12 15:40	04/12/12 16:25
60119289010	**SB50 18-20**	Solid	04/11/12 16:00	04/12/12 16:25
60119289011	**SB118B 8-10**	Solid	04/11/12 16:00	04/12/12 16:25

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SAMPLE ANALYTE COUNT

Project: FAIRFAX I
Pace Project No.: 60119289

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60119289001	**TMW 155 18-20**	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119289002	**TMW 154 16-18**	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119289003	**TMW 153 18-20**	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119289004	**SB305 4-6**	EPA 8082	NAW	9
		EPA 6010	SMW	7
		EPA 7470	TDS	1
		EPA 8270	JMT	18
		EPA 8260	RAB	14
		ASTM D2974-87	DWC	1
		SW-846 7.3.4.2	OL	1
		EPA 9045	AJM	1
		EPA 9095	OL	1
		ASTM D92	OL	1
		SW-846 7.3.3.2	OL	1
60119289007	**SB48 13-15**	EPA 8082	NAW	9
		EPA 6010	SMW	7
		EPA 7470	TDS	1
		EPA 8270	JMT	18
		EPA 8260	RAB	14
		ASTM D2974-87	DWC	1
		SW-846 7.3.4.2	OL	1
		EPA 9045	AJM	1
		EPA 9095	OL	1
		ASTM D92	OL	1
		SW-846 7.3.3.2	OL	1
60119289008	**SB49 13-15**	EPA 8082	NAW	9
		EPA 6010	SMW	7
		EPA 7470	TDS	1
		EPA 8270	JMT	18
		EPA 8260	RAB	14
		ASTM D2974-87	DWC	1
		SW-846 7.3.4.2	OL	1
		EPA 9045	AJM	1
		EPA 9095	OL	1

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SAMPLE ANALYTE COUNT

Project: FAIRFAX I
Pace Project No.: 60119289

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D92	OL	1
		SW-846 7.3.3.2	OL	1
60119289009	**SB51 18-20**	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119289010	**SB50 18-20**	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119289011	**SB118B 8-10**	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 8082**
Description: 8082 GCS PCB SW
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 6010**
Description: 6010 MET ICP, TCLP
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 7470**
Description: 7470 Mercury, TCLP
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/6186

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60119390001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 983125)
  - Mercury
- MSD (Lab ID: 983126)
  - Mercury

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 8270**
Description: 8270 MSSV TCLP Sep Funnel
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 8260**
Description: 8260 MSV TCLP
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

QC Batch: MSV/45066

B: Analyte was detected in the associated method blank.
- BLANK (Lab ID: 984472)
  - Trichloroethene

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 8260**
Description: 8260 MSV TCLP
Client: RACER_CRA IL
Date: April 26, 2012

Analyte Comments:

QC Batch: MSV/45066

B: Analyte was detected in the associated method blank.

- BLANK (Lab ID: 984472)
  - Trichloroethene

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SB49 13-15 (Lab ID: 60119289008)
  - 1,2-Dichloroethane-d4 (S)

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
6 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/45007

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 983041)
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Isopropylbenzene (Cumene)

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/45007

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60119465001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 983042)
  - 2-Hexanone
- MSD (Lab ID: 983043)
  - 2-Hexanone

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: RACER_CRA IL
Date: April 26, 2012

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

The container received for the Trip Blank had a cracked lid and could not be used to perform the analyses for volatiles EPA 8260.

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **SW-846 7.3.4.2**
Description: Reactive Sulfide
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for SW-846 7.3.4.2. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 9045**
Description: 9045 pH Soil
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for EPA 9045. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **EPA 9095**
Description: 9095 Paint Filter Liquid Test
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for EPA 9095. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **ASTM D92**
Description: Flashpoint, Open Cup
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for ASTM D92. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119289

Method: **SW-846 7.3.3.2**
Description: 733C S Reactive Cyanide
Client: RACER_CRA IL
Date: April 26, 2012

General Information:
3 samples were analyzed for SW-846 7.3.3.2. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: TMW 155 18-20 **Lab ID: 60119289001** Collected: 04/11/12 10:30 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	20.3	2.5	1		04/17/12 17:56	67-64-1	L3
Benzene	ND	ug/kg	5.1	0.39	1		04/17/12 17:56	71-43-2	
Bromobenzene	ND	ug/kg	5.1	0.30	1		04/17/12 17:56	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	0.68	1		04/17/12 17:56	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	0.24	1		04/17/12 17:56	75-27-4	
Bromoform	ND	ug/kg	5.1	0.31	1		04/17/12 17:56	75-25-2	
Bromomethane	ND	ug/kg	5.1	0.74	1		04/17/12 17:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.2	3.1	1		04/17/12 17:56	78-93-3	L3
n-Butylbenzene	ND	ug/kg	5.1	0.43	1		04/17/12 17:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	0.50	1		04/17/12 17:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	0.44	1		04/17/12 17:56	98-06-6	
Carbon disulfide	ND	ug/kg	5.1	1.3	1		04/17/12 17:56	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	0.52	1		04/17/12 17:56	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	0.31	1		04/17/12 17:56	108-90-7	
Chloroethane	ND	ug/kg	5.1	0.58	1		04/17/12 17:56	75-00-3	
Chloroform	ND	ug/kg	5.1	0.40	1		04/17/12 17:56	67-66-3	
Chloromethane	ND	ug/kg	5.1	0.61	1		04/17/12 17:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	0.47	1		04/17/12 17:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	0.41	1		04/17/12 17:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.2	0.33	1		04/17/12 17:56	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	0.24	1		04/17/12 17:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	0.31	1		04/17/12 17:56	106-93-4	
Dibromomethane	ND	ug/kg	5.1	0.30	1		04/17/12 17:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	0.34	1		04/17/12 17:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	0.35	1		04/17/12 17:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	0.39	1		04/17/12 17:56	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.1	0.50	1		04/17/12 17:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	0.51	1		04/17/12 17:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	0.30	1		04/17/12 17:56	107-06-2	
1,2-Dichloroethene (Total)	**18.3**	ug/kg	5.1	0.83	1		04/17/12 17:56	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.1	0.60	1		04/17/12 17:56	75-35-4	
cis-1,2-Dichloroethene	**17.1**	ug/kg	2.5	0.39	1		04/17/12 17:56	156-59-2	
trans-1,2-Dichloroethene	**1.2J**	ug/kg	2.5	0.45	1		04/17/12 17:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	0.34	1		04/17/12 17:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	0.31	1		04/17/12 17:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	0.45	1		04/17/12 17:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	0.44	1		04/17/12 17:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	0.41	1		04/17/12 17:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	0.33	1		04/17/12 17:56	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	0.47	1		04/17/12 17:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	0.69	1		04/17/12 17:56	87-68-3	
2-Hexanone	ND	ug/kg	20.3	0.66	1		04/17/12 17:56	591-78-6	L3
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	0.43	1		04/17/12 17:56	98-82-8	L3
p-Isopropyltoluene	ND	ug/kg	5.1	0.49	1		04/17/12 17:56	99-87-6	
Methylene chloride	ND	ug/kg	5.1	0.83	1		04/17/12 17:56	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: TMW 155 18-20 **Lab ID: 60119289001** Collected: 04/11/12 10:30 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.2	0.68	1		04/17/12 17:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	0.35	1		04/17/12 17:56	1634-04-4	
Naphthalene	ND	ug/kg	10.2	0.23	1		04/17/12 17:56	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	0.40	1		04/17/12 17:56	103-65-1	
Styrene	ND	ug/kg	5.1	0.37	1		04/17/12 17:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	0.28	1		04/17/12 17:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	0.23	1		04/17/12 17:56	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	0.50	1		04/17/12 17:56	127-18-4	
Toluene	ND	ug/kg	5.1	0.39	1		04/17/12 17:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	0.24	1		04/17/12 17:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	0.70	1		04/17/12 17:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	0.48	1		04/17/12 17:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	0.28	1		04/17/12 17:56	79-00-5	
Trichloroethene	**44.2**	ug/kg	5.1	0.48	1		04/17/12 17:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	0.54	1		04/17/12 17:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	0.51	1		04/17/12 17:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	0.42	1		04/17/12 17:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	0.41	1		04/17/12 17:56	108-67-8	
Vinyl chloride	ND	ug/kg	5.1	0.66	1		04/17/12 17:56	75-01-4	
Xylene (Total)	ND	ug/kg	5.1	1.2	1		04/17/12 17:56	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	92	%	68-129		1		04/17/12 17:56	1868-53-7	
Toluene-d8 (S)	87	%	81-121		1		04/17/12 17:56	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-131		1		04/17/12 17:56	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	77-131		1		04/17/12 17:56	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.6**	%	0.50	0.50	1		04/16/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: TMW 154 16-18 **Lab ID: 60119289002** Collected: 04/11/12 11:10 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**108**	ug/kg	24.0	2.9	1		04/17/12 18:11	67-64-1	L1
Benzene	ND	ug/kg	6.0	0.46	1		04/17/12 18:11	71-43-2	
Bromobenzene	ND	ug/kg	6.0	0.36	1		04/17/12 18:11	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	0.81	1		04/17/12 18:11	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	0.29	1		04/17/12 18:11	75-27-4	
Bromoform	ND	ug/kg	6.0	0.37	1		04/17/12 18:11	75-25-2	
Bromomethane	ND	ug/kg	6.0	0.88	1		04/17/12 18:11	74-83-9	
2-Butanone (MEK)	**23.9**	ug/kg	12.0	3.7	1		04/17/12 18:11	78-93-3	L1
n-Butylbenzene	ND	ug/kg	6.0	0.50	1		04/17/12 18:11	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	0.59	1		04/17/12 18:11	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	0.52	1		04/17/12 18:11	98-06-6	
Carbon disulfide	ND	ug/kg	6.0	1.6	1		04/17/12 18:11	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.0	0.61	1		04/17/12 18:11	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	0.37	1		04/17/12 18:11	108-90-7	
Chloroethane	ND	ug/kg	6.0	0.69	1		04/17/12 18:11	75-00-3	
Chloroform	ND	ug/kg	6.0	0.47	1		04/17/12 18:11	67-66-3	
Chloromethane	ND	ug/kg	6.0	0.72	1		04/17/12 18:11	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	0.55	1		04/17/12 18:11	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	0.48	1		04/17/12 18:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.0	0.38	1		04/17/12 18:11	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	0.29	1		04/17/12 18:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	0.37	1		04/17/12 18:11	106-93-4	
Dibromomethane	ND	ug/kg	6.0	0.36	1		04/17/12 18:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	0.40	1		04/17/12 18:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	0.41	1		04/17/12 18:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	0.46	1		04/17/12 18:11	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	6.0	0.59	1		04/17/12 18:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	0.60	1		04/17/12 18:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	0.36	1		04/17/12 18:11	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	6.0	0.99	1		04/17/12 18:11	540-59-0	
1,1-Dichloroethene	ND	ug/kg	6.0	0.71	1		04/17/12 18:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.0	0.46	1		04/17/12 18:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.0	0.53	1		04/17/12 18:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	0.40	1		04/17/12 18:11	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	0.37	1		04/17/12 18:11	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	0.53	1		04/17/12 18:11	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.0	0.52	1		04/17/12 18:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	0.48	1		04/17/12 18:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	0.38	1		04/17/12 18:11	10061-02-6	
Ethylbenzene	ND	ug/kg	6.0	0.55	1		04/17/12 18:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	0.82	1		04/17/12 18:11	87-68-3	
2-Hexanone	ND	ug/kg	24.0	0.78	1		04/17/12 18:11	591-78-6	L3
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	0.50	1		04/17/12 18:11	98-82-8	L3
p-Isopropyltoluene	ND	ug/kg	6.0	0.58	1		04/17/12 18:11	99-87-6	
Methylene chloride	ND	ug/kg	6.0	0.99	1		04/17/12 18:11	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: TMW 154 16-18 **Lab ID: 60119289002** Collected: 04/11/12 11:10 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	12.0	0.81	1		04/17/12 18:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	0.41	1		04/17/12 18:11	1634-04-4	
Naphthalene	ND	ug/kg	12.0	0.28	1		04/17/12 18:11	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	0.47	1		04/17/12 18:11	103-65-1	
Styrene	ND	ug/kg	6.0	0.43	1		04/17/12 18:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	0.34	1		04/17/12 18:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	0.28	1		04/17/12 18:11	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	0.59	1		04/17/12 18:11	127-18-4	
Toluene	ND	ug/kg	6.0	0.46	1		04/17/12 18:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	0.29	1		04/17/12 18:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	0.83	1		04/17/12 18:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	0.57	1		04/17/12 18:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	0.34	1		04/17/12 18:11	79-00-5	
Trichloroethene	ND	ug/kg	6.0	0.57	1		04/17/12 18:11	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	0.64	1		04/17/12 18:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	0.60	1		04/17/12 18:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	0.49	1		04/17/12 18:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	0.48	1		04/17/12 18:11	108-67-8	
Vinyl chloride	ND	ug/kg	6.0	0.78	1		04/17/12 18:11	75-01-4	
Xylene (Total)	ND	ug/kg	6.0	1.4	1		04/17/12 18:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	68-129		1		04/17/12 18:11	1868-53-7	
Toluene-d8 (S)	97	%	81-121		1		04/17/12 18:11	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-131		1		04/17/12 18:11	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	77-131		1		04/17/12 18:11	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**25.1**	%	0.50	0.50	1		04/16/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: TMW 153 18-20 **Lab ID: 60119289003** Collected: 04/11/12 12:05 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	20.2	2.5	1		04/17/12 18:27	67-64-1	L3
Benzene	ND	ug/kg	5.1	0.38	1		04/17/12 18:27	71-43-2	
Bromobenzene	ND	ug/kg	5.1	0.30	1		04/17/12 18:27	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	0.68	1		04/17/12 18:27	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	0.24	1		04/17/12 18:27	75-27-4	
Bromoform	ND	ug/kg	5.1	0.31	1		04/17/12 18:27	75-25-2	
Bromomethane	ND	ug/kg	5.1	0.74	1		04/17/12 18:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.1	3.1	1		04/17/12 18:27	78-93-3	L3
n-Butylbenzene	ND	ug/kg	5.1	0.42	1		04/17/12 18:27	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	0.50	1		04/17/12 18:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	0.43	1		04/17/12 18:27	98-06-6	
Carbon disulfide	ND	ug/kg	5.1	1.3	1		04/17/12 18:27	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	0.52	1		04/17/12 18:27	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	0.31	1		04/17/12 18:27	108-90-7	
Chloroethane	ND	ug/kg	5.1	0.58	1		04/17/12 18:27	75-00-3	
Chloroform	ND	ug/kg	5.1	0.39	1		04/17/12 18:27	67-66-3	
Chloromethane	ND	ug/kg	5.1	0.61	1		04/17/12 18:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	0.47	1		04/17/12 18:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	0.40	1		04/17/12 18:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.1	0.32	1		04/17/12 18:27	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	0.24	1		04/17/12 18:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	0.31	1		04/17/12 18:27	106-93-4	
Dibromomethane	ND	ug/kg	5.1	0.30	1		04/17/12 18:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	0.33	1		04/17/12 18:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	0.34	1		04/17/12 18:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	0.38	1		04/17/12 18:27	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.1	0.50	1		04/17/12 18:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	0.51	1		04/17/12 18:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	0.30	1		04/17/12 18:27	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.1	0.83	1		04/17/12 18:27	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.1	0.60	1		04/17/12 18:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.5	0.38	1		04/17/12 18:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.5	0.45	1		04/17/12 18:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	0.33	1		04/17/12 18:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	0.31	1		04/17/12 18:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	0.45	1		04/17/12 18:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	0.43	1		04/17/12 18:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	0.40	1		04/17/12 18:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	0.32	1		04/17/12 18:27	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	0.47	1		04/17/12 18:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	0.69	1		04/17/12 18:27	87-68-3	
2-Hexanone	ND	ug/kg	20.2	0.66	1		04/17/12 18:27	591-78-6	L3
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	0.42	1		04/17/12 18:27	98-82-8	L3
p-Isopropyltoluene	ND	ug/kg	5.1	0.49	1		04/17/12 18:27	99-87-6	
Methylene chloride	ND	ug/kg	5.1	0.83	1		04/17/12 18:27	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: TMW 153 18-20 **Lab ID: 60119289003** Collected: 04/11/12 12:05 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.1	0.68	1		04/17/12 18:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	0.34	1		04/17/12 18:27	1634-04-4	
Naphthalene	ND	ug/kg	10.1	0.23	1		04/17/12 18:27	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	0.39	1		04/17/12 18:27	103-65-1	
Styrene	ND	ug/kg	5.1	0.36	1		04/17/12 18:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	0.28	1		04/17/12 18:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	0.23	1		04/17/12 18:27	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	0.50	1		04/17/12 18:27	127-18-4	
Toluene	ND	ug/kg	5.1	0.38	1		04/17/12 18:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	0.24	1		04/17/12 18:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	0.70	1		04/17/12 18:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	0.48	1		04/17/12 18:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	0.28	1		04/17/12 18:27	79-00-5	
Trichloroethene	ND	ug/kg	5.1	0.48	1		04/17/12 18:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	0.54	1		04/17/12 18:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	0.51	1		04/17/12 18:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	0.41	1		04/17/12 18:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	0.40	1		04/17/12 18:27	108-67-8	
Vinyl chloride	ND	ug/kg	5.1	0.66	1		04/17/12 18:27	75-01-4	
Xylene (Total)	ND	ug/kg	5.1	1.2	1		04/17/12 18:27	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%	68-129		1		04/17/12 18:27	1868-53-7	
Toluene-d8 (S)	98	%	81-121		1		04/17/12 18:27	2037-26-5	
4-Bromofluorobenzene (S)	95	%	75-131		1		04/17/12 18:27	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	77-131		1		04/17/12 18:27	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**2.7**	%	0.50	0.50	1		04/16/12 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB305 4-6 **Lab ID: 60119289004** Collected: 04/11/12 13:30 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	41.7	20.9	1	04/16/12 00:00	04/18/12 20:55	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	83.5	41.7	1	04/16/12 00:00	04/18/12 20:55	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	41.7	20.9	1	04/16/12 00:00	04/18/12 20:55	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	41.7	20.9	1	04/16/12 00:00	04/18/12 20:55	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	41.7	20.9	1	04/16/12 00:00	04/18/12 20:55	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	41.7	20.9	1	04/16/12 00:00	04/18/12 20:55	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	41.7	20.9	1	04/16/12 00:00	04/18/12 20:55	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	92	%	35-124		1	04/16/12 00:00	04/18/12 20:55	877-09-8	
Decachlorobiphenyl (S)	75	%	15-120		1	04/16/12 00:00	04/18/12 20:55	2051-24-3	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Arsenic	ND	mg/L	0.50	0.059	1	04/17/12 14:30	04/18/12 15:50	7440-38-2	
Barium	**1.3J**	mg/L	2.5	0.0070	1	04/17/12 14:30	04/18/12 15:50	7440-39-3	
Cadmium	**0.0049J**	mg/L	0.050	0.0040	1	04/17/12 14:30	04/18/12 15:50	7440-43-9	
Chromium	ND	mg/L	0.10	0.0090	1	04/17/12 14:30	04/18/12 15:50	7440-47-3	
Lead	ND	mg/L	0.50	0.029	1	04/17/12 14:30	04/18/12 15:50	7439-92-1	
Selenium	ND	mg/L	0.50	0.046	1	04/17/12 14:30	04/18/12 15:50	7782-49-2	
Silver	ND	mg/L	0.10	0.0080	1	04/17/12 14:30	04/18/12 15:50	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Mercury	ND	ug/L	2.0	1.0	1	04/17/12 17:09	04/18/12 12:12	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
1,4-Dichlorobenzene	ND	ug/L	100	4.7	1	04/18/12 00:00	04/18/12 18:40	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	40.0	1	04/18/12 00:00	04/18/12 18:40	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	14.5	1	04/18/12 00:00	04/18/12 18:40	87-68-3	
Hexachlorobenzene	ND	ug/L	100	13.1	1	04/18/12 00:00	04/18/12 18:40	118-74-1	
Hexachloroethane	ND	ug/L	100	15.4	1	04/18/12 00:00	04/18/12 18:40	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	11.7	1	04/18/12 00:00	04/18/12 18:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	12.0	1	04/18/12 00:00	04/18/12 18:40		
Nitrobenzene	ND	ug/L	100	4.5	1	04/18/12 00:00	04/18/12 18:40	98-95-3	
Pentachlorophenol	ND	ug/L	500	15.8	1	04/18/12 00:00	04/18/12 18:40	87-86-5	
Pyridine	ND	ug/L	100	12.8	1	04/18/12 00:00	04/18/12 18:40	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	4.5	1	04/18/12 00:00	04/18/12 18:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	4.3	1	04/18/12 00:00	04/18/12 18:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	42-120		1	04/18/12 00:00	04/18/12 18:40	4165-60-0	
2-Fluorobiphenyl (S)	83	%	43-120		1	04/18/12 00:00	04/18/12 18:40	321-60-8	
Terphenyl-d14 (S)	76	%	38-120		1	04/18/12 00:00	04/18/12 18:40	1718-51-0	
Phenol-d6 (S)	71	%	41-120		1	04/18/12 00:00	04/18/12 18:40	13127-88-3	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB305 4-6 **Lab ID: 60119289004** Collected: 04/11/12 13:30 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Surrogates									
2-Fluorophenol (S)	73	%	40-120		1	04/18/12 00:00	04/18/12 18:40	367-12-4	
2,4,6-Tribromophenol (S)	81	%	38-126		1	04/18/12 00:00	04/18/12 18:40	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Benzene	ND	ug/L	50.0	25.0	1		04/19/12 17:05	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	500	1		04/19/12 17:05	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	25.0	1		04/19/12 17:05	56-23-5	
Chlorobenzene	ND	ug/L	50.0	25.0	1		04/19/12 17:05	108-90-7	
Chloroform	ND	ug/L	200	100	1		04/19/12 17:05	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	25.0	1		04/19/12 17:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	25.0	1		04/19/12 17:05	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	25.0	1		04/19/12 17:05	127-18-4	
Trichloroethene	ND	ug/L	50.0	25.0	1		04/19/12 17:05	79-01-6	
Vinyl chloride	ND	ug/L	100	50.0	1		04/19/12 17:05	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	83-120		1		04/19/12 17:05	17060-07-0	
Toluene-d8 (S)	99	%	81-117		1		04/19/12 17:05	2037-26-5	
4-Bromofluorobenzene (S)	96	%	82-121		1		04/19/12 17:05	460-00-4	
Dibromofluoromethane (S)	90	%	85-113		1		04/19/12 17:05	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.2**	%	0.50	0.50	1		04/16/12 00:00		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2								
Sulfide, Reactive	ND	mg/kg	100	12.9	1		04/16/12 09:30		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.1**	Std. Units	0.10	0.10	1		04/16/12 12:15		
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**Negative**				1		04/16/12 09:00		
Flashpoint, Open Cup	Analytical Method: ASTM D92								
Flashpoint	**>210**	deg F			1		04/17/12 12:15		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2								
Cyanide, Reactive	ND	mg/kg	0.025	0.0017	1		04/13/12 15:19		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB48 13-15 **Lab ID: 60119289007** Collected: 04/11/12 15:02 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.5	19.7	1	04/16/12 00:00	04/18/12 21:12	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	78.9	39.5	1	04/16/12 00:00	04/18/12 21:12	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.5	19.7	1	04/16/12 00:00	04/18/12 21:12	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.5	19.7	1	04/16/12 00:00	04/18/12 21:12	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.5	19.7	1	04/16/12 00:00	04/18/12 21:12	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.5	19.7	1	04/16/12 00:00	04/18/12 21:12	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.5	19.7	1	04/16/12 00:00	04/18/12 21:12	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	94	%	35-124		1	04/16/12 00:00	04/18/12 21:12	877-09-8	
Decachlorobiphenyl (S)	79	%	15-120		1	04/16/12 00:00	04/18/12 21:12	2051-24-3	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Arsenic	ND	mg/L	0.50	0.059	1	04/17/12 14:30	04/18/12 16:01	7440-38-2	
Barium	**1.4J**	mg/L	2.5	0.0070	1	04/17/12 14:30	04/18/12 16:01	7440-39-3	
Cadmium	**0.0065J**	mg/L	0.050	0.0040	1	04/17/12 14:30	04/18/12 16:01	7440-43-9	
Chromium	ND	mg/L	0.10	0.0090	1	04/17/12 14:30	04/18/12 16:01	7440-47-3	
Lead	ND	mg/L	0.50	0.029	1	04/17/12 14:30	04/18/12 16:01	7439-92-1	
Selenium	ND	mg/L	0.50	0.046	1	04/17/12 14:30	04/18/12 16:01	7782-49-2	
Silver	ND	mg/L	0.10	0.0080	1	04/17/12 14:30	04/18/12 16:01	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Mercury	ND	ug/L	2.0	1.0	1	04/17/12 17:09	04/18/12 12:14	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
1,4-Dichlorobenzene	ND	ug/L	100	4.7	1	04/18/12 00:00	04/18/12 19:01	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	40.0	1	04/18/12 00:00	04/18/12 19:01	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	14.5	1	04/18/12 00:00	04/18/12 19:01	87-68-3	
Hexachlorobenzene	ND	ug/L	100	13.1	1	04/18/12 00:00	04/18/12 19:01	118-74-1	
Hexachloroethane	ND	ug/L	100	15.4	1	04/18/12 00:00	04/18/12 19:01	67-72-1	
2-Methylphenol(o-Cresol)	**59.2J**	ug/L	100	11.7	1	04/18/12 00:00	04/18/12 19:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	12.0	1	04/18/12 00:00	04/18/12 19:01		
Nitrobenzene	ND	ug/L	100	4.5	1	04/18/12 00:00	04/18/12 19:01	98-95-3	
Pentachlorophenol	ND	ug/L	500	15.8	1	04/18/12 00:00	04/18/12 19:01	87-86-5	
Pyridine	ND	ug/L	100	12.8	1	04/18/12 00:00	04/18/12 19:01	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	4.5	1	04/18/12 00:00	04/18/12 19:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	4.3	1	04/18/12 00:00	04/18/12 19:01	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%	42-120		1	04/18/12 00:00	04/18/12 19:01	4165-60-0	
2-Fluorobiphenyl (S)	80	%	43-120		1	04/18/12 00:00	04/18/12 19:01	321-60-8	
Terphenyl-d14 (S)	76	%	38-120		1	04/18/12 00:00	04/18/12 19:01	1718-51-0	
Phenol-d6 (S)	65	%	41-120		1	04/18/12 00:00	04/18/12 19:01	13127-88-3	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB48 13-15 **Lab ID: 60119289007** Collected: 04/11/12 15:02 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Surrogates									
2-Fluorophenol (S)	65	%	40-120		1	04/18/12 00:00	04/18/12 19:01	367-12-4	
2,4,6-Tribromophenol (S)	85	%	38-126		1	04/18/12 00:00	04/18/12 19:01	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Benzene	ND	ug/L	50.0	25.0	1		04/19/12 17:36	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	500	1		04/19/12 17:36	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	25.0	1		04/19/12 17:36	56-23-5	
Chlorobenzene	ND	ug/L	50.0	25.0	1		04/19/12 17:36	108-90-7	
Chloroform	ND	ug/L	200	100	1		04/19/12 17:36	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	25.0	1		04/19/12 17:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	25.0	1		04/19/12 17:36	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	25.0	1		04/19/12 17:36	127-18-4	
Trichloroethene	ND	ug/L	50.0	25.0	1		04/19/12 17:36	79-01-6	
Vinyl chloride	ND	ug/L	100	50.0	1		04/19/12 17:36	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	83-120		1		04/19/12 17:36	17060-07-0	
Toluene-d8 (S)	99	%	81-117		1		04/19/12 17:36	2037-26-5	
4-Bromofluorobenzene (S)	96	%	82-121		1		04/19/12 17:36	460-00-4	
Dibromofluoromethane (S)	89	%	85-113		1		04/19/12 17:36	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.3**	%	0.50	0.50	1		04/16/12 00:00		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2								
Sulfide, Reactive	ND	mg/kg	100	12.9	1		04/16/12 09:30		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.0**	Std. Units	0.10	0.10	1		04/16/12 12:15		
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**Negative**				1		04/16/12 09:00		
Flashpoint, Open Cup	Analytical Method: ASTM D92								
Flashpoint	**82**	deg F			1		04/17/12 12:15		
Flashpoint	**82**	deg F			1		04/17/12 12:15		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2								
Cyanide, Reactive	ND	mg/kg	0.025	0.0017	1		04/13/12 15:20		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB49 13-15 **Lab ID: 60119289008** Collected: 04/11/12 15:20 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	42.8	21.4	1	04/16/12 00:00	04/18/12 21:30	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	85.5	42.8	1	04/16/12 00:00	04/18/12 21:30	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	42.8	21.4	1	04/16/12 00:00	04/18/12 21:30	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	42.8	21.4	1	04/16/12 00:00	04/18/12 21:30	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	42.8	21.4	1	04/16/12 00:00	04/18/12 21:30	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	42.8	21.4	1	04/16/12 00:00	04/18/12 21:30	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	42.8	21.4	1	04/16/12 00:00	04/18/12 21:30	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	92	%	35-124		1	04/16/12 00:00	04/18/12 21:30	877-09-8	
Decachlorobiphenyl (S)	77	%	15-120		1	04/16/12 00:00	04/18/12 21:30	2051-24-3	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Arsenic	ND	mg/L	0.50	0.059	1	04/17/12 14:30	04/18/12 16:05	7440-38-2	
Barium	**1.7J**	mg/L	2.5	0.0070	1	04/17/12 14:30	04/18/12 16:05	7440-39-3	
Cadmium	**0.0054J**	mg/L	0.050	0.0040	1	04/17/12 14:30	04/18/12 16:05	7440-43-9	
Chromium	ND	mg/L	0.10	0.0090	1	04/17/12 14:30	04/18/12 16:05	7440-47-3	
Lead	ND	mg/L	0.50	0.029	1	04/17/12 14:30	04/18/12 16:05	7439-92-1	
Selenium	ND	mg/L	0.50	0.046	1	04/17/12 14:30	04/18/12 16:05	7782-49-2	
Silver	ND	mg/L	0.10	0.0080	1	04/17/12 14:30	04/18/12 16:05	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Mercury	ND	ug/L	2.0	1.0	1	04/17/12 17:09	04/18/12 12:21	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
1,4-Dichlorobenzene	ND	ug/L	100	4.7	1	04/18/12 00:00	04/18/12 19:22	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	40.0	1	04/18/12 00:00	04/18/12 19:22	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	14.5	1	04/18/12 00:00	04/18/12 19:22	87-68-3	
Hexachlorobenzene	ND	ug/L	100	13.1	1	04/18/12 00:00	04/18/12 19:22	118-74-1	
Hexachloroethane	ND	ug/L	100	15.4	1	04/18/12 00:00	04/18/12 19:22	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	11.7	1	04/18/12 00:00	04/18/12 19:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	12.0	1	04/18/12 00:00	04/18/12 19:22		
Nitrobenzene	ND	ug/L	100	4.5	1	04/18/12 00:00	04/18/12 19:22	98-95-3	
Pentachlorophenol	ND	ug/L	500	15.8	1	04/18/12 00:00	04/18/12 19:22	87-86-5	
Pyridine	ND	ug/L	100	12.8	1	04/18/12 00:00	04/18/12 19:22	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	4.5	1	04/18/12 00:00	04/18/12 19:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	4.3	1	04/18/12 00:00	04/18/12 19:22	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	83	%	42-120		1	04/18/12 00:00	04/18/12 19:22	4165-60-0	
2-Fluorobiphenyl (S)	88	%	43-120		1	04/18/12 00:00	04/18/12 19:22	321-60-8	
Terphenyl-d14 (S)	83	%	38-120		1	04/18/12 00:00	04/18/12 19:22	1718-51-0	
Phenol-d6 (S)	74	%	41-120		1	04/18/12 00:00	04/18/12 19:22	13127-88-3	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB49 13-15 **Lab ID: 60119289008** Collected: 04/11/12 15:20 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Surrogates									
2-Fluorophenol (S)	78	%	40-120		1	04/18/12 00:00	04/18/12 19:22	367-12-4	
2,4,6-Tribromophenol (S)	85	%	38-126		1	04/18/12 00:00	04/18/12 19:22	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 04/17/12 08:18								
Benzene	ND	ug/L	500	250	10		04/19/12 17:52	71-43-2	
2-Butanone (MEK)	ND	ug/L	10000	5000	10		04/19/12 17:52	78-93-3	
Carbon tetrachloride	ND	ug/L	500	250	10		04/19/12 17:52	56-23-5	
Chlorobenzene	ND	ug/L	500	250	10		04/19/12 17:52	108-90-7	
Chloroform	ND	ug/L	2000	1000	10		04/19/12 17:52	67-66-3	
1,2-Dichloroethane	ND	ug/L	500	250	10		04/19/12 17:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	250	10		04/19/12 17:52	75-35-4	
Tetrachloroethene	ND	ug/L	500	250	10		04/19/12 17:52	127-18-4	
Trichloroethene	ND	ug/L	500	250	10		04/19/12 17:52	79-01-6	
Vinyl chloride	ND	ug/L	1000	500	10		04/19/12 17:52	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	83-120		10		04/19/12 17:52	17060-07-0	D3
Toluene-d8 (S)	100	%	81-117		10		04/19/12 17:52	2037-26-5	
4-Bromofluorobenzene (S)	98	%	82-121		10		04/19/12 17:52	460-00-4	
Dibromofluoromethane (S)	88	%	85-113		10		04/19/12 17:52	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.3**	%	0.50	0.50	1		04/16/12 00:00		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2								
Sulfide, Reactive	ND	mg/kg	100	12.9	1		04/16/12 09:30		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		04/16/12 12:15		
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**Negative**				1		04/16/12 09:00		
Flashpoint, Open Cup	Analytical Method: ASTM D92								
Flashpoint	**>210**	deg F			1		04/17/12 12:15		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2								
Cyanide, Reactive	ND	mg/kg	0.025	0.0017	1		04/13/12 15:20		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB51 18-20 **Lab ID: 60119289009** Collected: 04/11/12 15:40 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**42.6**	ug/kg	19.9	2.4	1		04/17/12 18:42	67-64-1	L1
Benzene	ND	ug/kg	5.0	0.38	1		04/17/12 18:42	71-43-2	
Bromobenzene	ND	ug/kg	5.0	0.30	1		04/17/12 18:42	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	0.67	1		04/17/12 18:42	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	0.24	1		04/17/12 18:42	75-27-4	
Bromoform	ND	ug/kg	5.0	0.31	1		04/17/12 18:42	75-25-2	
Bromomethane	ND	ug/kg	5.0	0.73	1		04/17/12 18:42	74-83-9	
2-Butanone (MEK)	**10.6**	ug/kg	10	3.1	1		04/17/12 18:42	78-93-3	L1
n-Butylbenzene	ND	ug/kg	5.0	0.42	1		04/17/12 18:42	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	0.49	1		04/17/12 18:42	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	0.43	1		04/17/12 18:42	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1.3	1		04/17/12 18:42	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	0.51	1		04/17/12 18:42	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	0.31	1		04/17/12 18:42	108-90-7	
Chloroethane	ND	ug/kg	5.0	0.57	1		04/17/12 18:42	75-00-3	
Chloroform	ND	ug/kg	5.0	0.39	1		04/17/12 18:42	67-66-3	
Chloromethane	ND	ug/kg	5.0	0.60	1		04/17/12 18:42	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	0.46	1		04/17/12 18:42	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	0.40	1		04/17/12 18:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10	0.32	1		04/17/12 18:42	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	0.24	1		04/17/12 18:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	0.31	1		04/17/12 18:42	106-93-4	
Dibromomethane	ND	ug/kg	5.0	0.30	1		04/17/12 18:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	0.33	1		04/17/12 18:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	0.34	1		04/17/12 18:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	0.38	1		04/17/12 18:42	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	0.49	1		04/17/12 18:42	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	0.50	1		04/17/12 18:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	0.30	1		04/17/12 18:42	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	0.82	1		04/17/12 18:42	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	0.59	1		04/17/12 18:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.5	0.38	1		04/17/12 18:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.5	0.44	1		04/17/12 18:42	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	0.33	1		04/17/12 18:42	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	0.31	1		04/17/12 18:42	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	0.44	1		04/17/12 18:42	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	0.43	1		04/17/12 18:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	0.40	1		04/17/12 18:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	0.32	1		04/17/12 18:42	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	0.46	1		04/17/12 18:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	0.68	1		04/17/12 18:42	87-68-3	
2-Hexanone	ND	ug/kg	19.9	0.65	1		04/17/12 18:42	591-78-6	L3
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	0.42	1		04/17/12 18:42	98-82-8	L3
p-Isopropyltoluene	ND	ug/kg	5.0	0.48	1		04/17/12 18:42	99-87-6	
Methylene chloride	ND	ug/kg	5.0	0.82	1		04/17/12 18:42	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB51 18-20 **Lab ID: 60119289009** Collected: 04/11/12 15:40 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	0.67	1		04/17/12 18:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	0.34	1		04/17/12 18:42	1634-04-4	
Naphthalene	ND	ug/kg	10	0.23	1		04/17/12 18:42	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	0.39	1		04/17/12 18:42	103-65-1	
Styrene	ND	ug/kg	5.0	0.36	1		04/17/12 18:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	0.28	1		04/17/12 18:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	0.23	1		04/17/12 18:42	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	0.49	1		04/17/12 18:42	127-18-4	
Toluene	ND	ug/kg	5.0	0.38	1		04/17/12 18:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	0.24	1		04/17/12 18:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	0.69	1		04/17/12 18:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	0.47	1		04/17/12 18:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	0.28	1		04/17/12 18:42	79-00-5	
Trichloroethene	ND	ug/kg	5.0	0.47	1		04/17/12 18:42	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	0.53	1		04/17/12 18:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	0.50	1		04/17/12 18:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	0.41	1		04/17/12 18:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	0.40	1		04/17/12 18:42	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	0.65	1		04/17/12 18:42	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1.2	1		04/17/12 18:42	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	68-129		1		04/17/12 18:42	1868-53-7	
Toluene-d8 (S)	97	%	81-121		1		04/17/12 18:42	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-131		1		04/17/12 18:42	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	77-131		1		04/17/12 18:42	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.3**	%	0.50	0.50	1		04/16/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB50 18-20 **Lab ID: 60119289010** Collected: 04/11/12 16:00 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	23.4	2.8	1		04/17/12 18:57	67-64-1	L3
Benzene	ND	ug/kg	5.8	0.44	1		04/17/12 18:57	71-43-2	
Bromobenzene	ND	ug/kg	5.8	0.35	1		04/17/12 18:57	108-86-1	
Bromochloromethane	ND	ug/kg	5.8	0.78	1		04/17/12 18:57	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	0.28	1		04/17/12 18:57	75-27-4	
Bromoform	ND	ug/kg	5.8	0.36	1		04/17/12 18:57	75-25-2	
Bromomethane	ND	ug/kg	5.8	0.85	1		04/17/12 18:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	11.7	3.6	1		04/17/12 18:57	78-93-3	L3
n-Butylbenzene	ND	ug/kg	5.8	0.49	1		04/17/12 18:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.8	0.57	1		04/17/12 18:57	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.8	0.50	1		04/17/12 18:57	98-06-6	
Carbon disulfide	ND	ug/kg	5.8	1.5	1		04/17/12 18:57	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.8	0.60	1		04/17/12 18:57	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	0.36	1		04/17/12 18:57	108-90-7	
Chloroethane	ND	ug/kg	5.8	0.67	1		04/17/12 18:57	75-00-3	
Chloroform	ND	ug/kg	5.8	0.46	1		04/17/12 18:57	67-66-3	
Chloromethane	ND	ug/kg	5.8	0.70	1		04/17/12 18:57	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.8	0.54	1		04/17/12 18:57	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.8	0.47	1		04/17/12 18:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.7	0.37	1		04/17/12 18:57	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	0.28	1		04/17/12 18:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	0.36	1		04/17/12 18:57	106-93-4	
Dibromomethane	ND	ug/kg	5.8	0.35	1		04/17/12 18:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.8	0.39	1		04/17/12 18:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	0.40	1		04/17/12 18:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	0.44	1		04/17/12 18:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.8	0.57	1		04/17/12 18:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	0.58	1		04/17/12 18:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	0.35	1		04/17/12 18:57	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.8	0.96	1		04/17/12 18:57	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.8	0.69	1		04/17/12 18:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.9	0.44	1		04/17/12 18:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.9	0.51	1		04/17/12 18:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	0.39	1		04/17/12 18:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	0.36	1		04/17/12 18:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	0.51	1		04/17/12 18:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.8	0.50	1		04/17/12 18:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	0.47	1		04/17/12 18:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	0.37	1		04/17/12 18:57	10061-02-6	
Ethylbenzene	ND	ug/kg	5.8	0.54	1		04/17/12 18:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	0.79	1		04/17/12 18:57	87-68-3	
2-Hexanone	ND	ug/kg	23.4	0.76	1		04/17/12 18:57	591-78-6	L3
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	0.49	1		04/17/12 18:57	98-82-8	L3
p-Isopropyltoluene	ND	ug/kg	5.8	0.56	1		04/17/12 18:57	99-87-6	
Methylene chloride	ND	ug/kg	5.8	0.96	1		04/17/12 18:57	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB50 18-20 **Lab ID: 60119289010** Collected: 04/11/12 16:00 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.7	0.78	1		04/17/12 18:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	0.40	1		04/17/12 18:57	1634-04-4	
Naphthalene	ND	ug/kg	11.7	0.27	1		04/17/12 18:57	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	0.46	1		04/17/12 18:57	103-65-1	
Styrene	ND	ug/kg	5.8	0.42	1		04/17/12 18:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	0.33	1		04/17/12 18:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	0.27	1		04/17/12 18:57	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	0.57	1		04/17/12 18:57	127-18-4	
Toluene	ND	ug/kg	5.8	0.44	1		04/17/12 18:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	0.28	1		04/17/12 18:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	0.81	1		04/17/12 18:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	0.55	1		04/17/12 18:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	0.33	1		04/17/12 18:57	79-00-5	
Trichloroethene	ND	ug/kg	5.8	0.55	1		04/17/12 18:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	0.62	1		04/17/12 18:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	0.58	1		04/17/12 18:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	0.48	1		04/17/12 18:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	0.47	1		04/17/12 18:57	108-67-8	
Vinyl chloride	ND	ug/kg	5.8	0.76	1		04/17/12 18:57	75-01-4	
Xylene (Total)	ND	ug/kg	5.8	1.4	1		04/17/12 18:57	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	68-129		1		04/17/12 18:57	1868-53-7	
Toluene-d8 (S)	98	%	81-121		1		04/17/12 18:57	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-131		1		04/17/12 18:57	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	77-131		1		04/17/12 18:57	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**25.5**	%	0.50	0.50	1		04/16/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB118B 8-10 **Lab ID: 60119289011** Collected: 04/11/12 16:00 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	22.5	2.7	1		04/17/12 19:13	67-64-1	L3
Benzene	ND	ug/kg	5.6	0.43	1		04/17/12 19:13	71-43-2	
Bromobenzene	ND	ug/kg	5.6	0.34	1		04/17/12 19:13	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	0.75	1		04/17/12 19:13	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	0.27	1		04/17/12 19:13	75-27-4	
Bromoform	ND	ug/kg	5.6	0.35	1		04/17/12 19:13	75-25-2	
Bromomethane	ND	ug/kg	5.6	0.82	1		04/17/12 19:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	11.3	3.5	1		04/17/12 19:13	78-93-3	L3
n-Butylbenzene	**7.6**	ug/kg	5.6	0.47	1		04/17/12 19:13	104-51-8	
sec-Butylbenzene	**5.9**	ug/kg	5.6	0.55	1		04/17/12 19:13	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.6	0.48	1		04/17/12 19:13	98-06-6	
Carbon disulfide	ND	ug/kg	5.6	1.5	1		04/17/12 19:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	0.57	1		04/17/12 19:13	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	0.35	1		04/17/12 19:13	108-90-7	
Chloroethane	ND	ug/kg	5.6	0.64	1		04/17/12 19:13	75-00-3	
Chloroform	ND	ug/kg	5.6	0.44	1		04/17/12 19:13	67-66-3	
Chloromethane	ND	ug/kg	5.6	0.68	1		04/17/12 19:13	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	0.52	1		04/17/12 19:13	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	0.45	1		04/17/12 19:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.3	0.36	1		04/17/12 19:13	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	0.27	1		04/17/12 19:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	0.35	1		04/17/12 19:13	106-93-4	
Dibromomethane	ND	ug/kg	5.6	0.34	1		04/17/12 19:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	0.37	1		04/17/12 19:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	0.38	1		04/17/12 19:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	0.43	1		04/17/12 19:13	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.6	0.55	1		04/17/12 19:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	0.56	1		04/17/12 19:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	0.34	1		04/17/12 19:13	107-06-2	
1,2-Dichloroethene (Total)	**2.4J**	ug/kg	5.6	0.92	1		04/17/12 19:13	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.6	0.66	1		04/17/12 19:13	75-35-4	
cis-1,2-Dichloroethene	**2.4J**	ug/kg	2.8	0.43	1		04/17/12 19:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.8	0.50	1		04/17/12 19:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	0.37	1		04/17/12 19:13	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	0.35	1		04/17/12 19:13	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	0.50	1		04/17/12 19:13	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	0.48	1		04/17/12 19:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	0.45	1		04/17/12 19:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	0.36	1		04/17/12 19:13	10061-02-6	
Ethylbenzene	ND	ug/kg	5.6	0.52	1		04/17/12 19:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	0.77	1		04/17/12 19:13	87-68-3	
2-Hexanone	ND	ug/kg	22.5	0.73	1		04/17/12 19:13	591-78-6	L3
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	0.47	1		04/17/12 19:13	98-82-8	L3
p-Isopropyltoluene	**2.7J**	ug/kg	5.6	0.54	1		04/17/12 19:13	99-87-6	
Methylene chloride	ND	ug/kg	5.6	0.92	1		04/17/12 19:13	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119289

Sample: SB118B 8-10 **Lab ID: 60119289011** Collected: 04/11/12 16:00 Received: 04/12/12 16:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.3	0.75	1		04/17/12 19:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	0.38	1		04/17/12 19:13	1634-04-4	
Naphthalene	**2.7J**	ug/kg	11.3	0.26	1		04/17/12 19:13	91-20-3	
n-Propylbenzene	**3.3J**	ug/kg	5.6	0.44	1		04/17/12 19:13	103-65-1	
Styrene	ND	ug/kg	5.6	0.41	1		04/17/12 19:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	0.32	1		04/17/12 19:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	0.26	1		04/17/12 19:13	79-34-5	
Tetrachloroethene	**99.8**	ug/kg	5.6	0.55	1		04/17/12 19:13	127-18-4	
Toluene	ND	ug/kg	5.6	0.43	1		04/17/12 19:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	0.27	1		04/17/12 19:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	0.78	1		04/17/12 19:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	0.53	1		04/17/12 19:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	0.32	1		04/17/12 19:13	79-00-5	
Trichloroethene	**4.4J**	ug/kg	5.6	0.53	1		04/17/12 19:13	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	0.60	1		04/17/12 19:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	0.56	1		04/17/12 19:13	96-18-4	
1,2,4-Trimethylbenzene	**22.4**	ug/kg	5.6	0.46	1		04/17/12 19:13	95-63-6	
1,3,5-Trimethylbenzene	**3.0J**	ug/kg	5.6	0.45	1		04/17/12 19:13	108-67-8	
Vinyl chloride	ND	ug/kg	5.6	0.73	1		04/17/12 19:13	75-01-4	
Xylene (Total)	ND	ug/kg	5.6	1.3	1		04/17/12 19:13	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	68-129		1		04/17/12 19:13	1868-53-7	
Toluene-d8 (S)	97	%	81-121		1		04/17/12 19:13	2037-26-5	
4-Bromofluorobenzene (S)	91	%	75-131		1		04/17/12 19:13	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	77-131		1		04/17/12 19:13	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.7**	%	0.50	0.50	1		04/16/12 00:00		

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: MERP/6186 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 60119289004, 60119289007, 60119289008

METHOD BLANK: 983123 Matrix: Water
Associated Lab Samples: 60119289004, 60119289007, 60119289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	04/18/12 11:54	

LABORATORY CONTROL SAMPLE: 983124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	15	15.5	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 983125 983126

Parameter	Units	60119390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	15	15	19.5	19.3	129	128	75-125	1	19	M1

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: MPRP/17710 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 60119289004, 60119289007, 60119289008

METHOD BLANK: 983163 Matrix: Water
Associated Lab Samples: 60119289004, 60119289007, 60119289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.50	04/18/12 15:18	
Barium	mg/L	0.034J	2.5	04/18/12 15:18	
Cadmium	mg/L	ND	0.050	04/18/12 15:18	
Chromium	mg/L	ND	0.10	04/18/12 15:18	
Lead	mg/L	ND	0.50	04/18/12 15:18	
Selenium	mg/L	ND	0.50	04/18/12 15:18	
Silver	mg/L	ND	0.10	04/18/12 15:18	

LABORATORY CONTROL SAMPLE: 983164

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	0.88	88	80-120	
Barium	mg/L	1	0.89	89	80-120	
Cadmium	mg/L	1	0.88	88	80-120	
Chromium	mg/L	1	0.88	88	80-120	
Lead	mg/L	1	0.93	93	80-120	
Selenium	mg/L	1	0.87	87	80-120	
Silver	mg/L	.5	0.43	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 983165 983166

Parameter	Units	60119390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	10	10	8.9	9.0	89	90	75-125	0	20	
Barium	mg/L	ND	10	10	9.3	9.4	87	88	75-125	0	20	
Cadmium	mg/L	ND	10	10	8.8	8.8	88	88	75-125	0	20	
Chromium	mg/L	ND	10	10	8.6	8.5	86	84	75-125	2	20	
Lead	mg/L	ND	10	10	8.6	8.6	86	86	75-125	1	20	
Selenium	mg/L	ND	10	10	9.1	9.2	91	92	75-125	1	20	
Silver	mg/L	ND	5	5	4.4	4.4	87	87	75-125	0	20	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: MSV/45066 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 60119289004, 60119289007, 60119289008

METHOD BLANK: 984472 Matrix: Water
Associated Lab Samples: 60119289004, 60119289007, 60119289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	04/19/12 16:34	
1,2-Dichloroethane	ug/L	ND	50.0	04/19/12 16:34	
2-Butanone (MEK)	ug/L	ND	1000	04/19/12 16:34	
Benzene	ug/L	ND	50.0	04/19/12 16:34	
Carbon tetrachloride	ug/L	ND	50.0	04/19/12 16:34	
Chlorobenzene	ug/L	ND	50.0	04/19/12 16:34	
Chloroform	ug/L	ND	200	04/19/12 16:34	
Tetrachloroethene	ug/L	ND	50.0	04/19/12 16:34	
Trichloroethene	ug/L	58.0	50.0	04/19/12 16:34	B
Vinyl chloride	ug/L	ND	100	04/19/12 16:34	
1,2-Dichloroethane-d4 (S)	%	91	83-120	04/19/12 16:34	
4-Bromofluorobenzene (S)	%	96	82-121	04/19/12 16:34	
Dibromofluoromethane (S)	%	89	85-113	04/19/12 16:34	
Toluene-d8 (S)	%	99	81-117	04/19/12 16:34	

LABORATORY CONTROL SAMPLE: 984473

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	1000	971	97	67-134	
1,2-Dichloroethane	ug/L	1000	826	83	78-123	
2-Butanone (MEK)	ug/L	5000	4400	88	64-125	
Benzene	ug/L	1000	936	94	81-120	
Carbon tetrachloride	ug/L	1000	941	94	75-130	
Chlorobenzene	ug/L	1000	959	96	83-116	
Chloroform	ug/L	1000	805	81	79-117	
Tetrachloroethene	ug/L	1000	1070	107	81-120	
Trichloroethene	ug/L	1000	999	100	81-120	
Vinyl chloride	ug/L	1000	1200	120	62-134	
1,2-Dichloroethane-d4 (S)	%			86	83-120	
4-Bromofluorobenzene (S)	%			99	82-121	
Dibromofluoromethane (S)	%			87	85-113	
Toluene-d8 (S)	%			98	81-117	

MATRIX SPIKE SAMPLE: 984474

Parameter	Units	60119289004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	1000	790	79	50-134	
1,2-Dichloroethane	ug/L	ND	1000	876	88	66-126	
2-Butanone (MEK)	ug/L	ND	5000	4480	89	48-121	
Benzene	ug/L	ND	1000	928	93	53-130	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

MATRIX SPIKE SAMPLE: 984474

Parameter	Units	60119289004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	ND	1000	857	86	46-132	
Chlorobenzene	ug/L	ND	1000	930	93	32-139	
Chloroform	ug/L	ND	1000	829	83	61-121	
Tetrachloroethene	ug/L	ND	1000	940	94	20-145	
Trichloroethene	ug/L	ND	1000	931	93	38-139	
Vinyl chloride	ug/L	ND	1000	722	72	36-144	
1,2-Dichloroethane-d4 (S)	%				94	83-120	
4-Bromofluorobenzene (S)	%				100	82-121	
Dibromofluoromethane (S)	%				93	85-113	
Toluene-d8 (S)	%				102	81-117	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: MSV/45007 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60119289001, 60119289002, 60119289003, 60119289009, 60119289010, 60119289011

METHOD BLANK: 983040 Matrix: Solid
Associated Lab Samples: 60119289001, 60119289002, 60119289003, 60119289009, 60119289010, 60119289011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/17/12 16:55	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/17/12 16:55	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/17/12 16:55	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/17/12 16:55	
1,1-Dichloroethane	ug/kg	ND	5.0	04/17/12 16:55	
1,1-Dichloroethene	ug/kg	ND	5.0	04/17/12 16:55	
1,1-Dichloropropene	ug/kg	ND	5.0	04/17/12 16:55	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/17/12 16:55	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/17/12 16:55	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/17/12 16:55	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/17/12 16:55	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	04/17/12 16:55	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/17/12 16:55	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/17/12 16:55	
1,2-Dichloroethane	ug/kg	ND	5.0	04/17/12 16:55	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	04/17/12 16:55	
1,2-Dichloropropane	ug/kg	ND	5.0	04/17/12 16:55	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/17/12 16:55	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/17/12 16:55	
1,3-Dichloropropane	ug/kg	ND	5.0	04/17/12 16:55	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/17/12 16:55	
2,2-Dichloropropane	ug/kg	ND	5.0	04/17/12 16:55	
2-Butanone (MEK)	ug/kg	ND	10.0	04/17/12 16:55	
2-Chlorotoluene	ug/kg	ND	5.0	04/17/12 16:55	
2-Hexanone	ug/kg	ND	20.0	04/17/12 16:55	
4-Chlorotoluene	ug/kg	ND	5.0	04/17/12 16:55	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	04/17/12 16:55	
Acetone	ug/kg	ND	20.0	04/17/12 16:55	
Benzene	ug/kg	ND	5.0	04/17/12 16:55	
Bromobenzene	ug/kg	ND	5.0	04/17/12 16:55	
Bromochloromethane	ug/kg	ND	5.0	04/17/12 16:55	
Bromodichloromethane	ug/kg	ND	5.0	04/17/12 16:55	
Bromoform	ug/kg	ND	5.0	04/17/12 16:55	
Bromomethane	ug/kg	ND	5.0	04/17/12 16:55	
Carbon disulfide	ug/kg	ND	5.0	04/17/12 16:55	
Carbon tetrachloride	ug/kg	ND	5.0	04/17/12 16:55	
Chlorobenzene	ug/kg	ND	5.0	04/17/12 16:55	
Chloroethane	ug/kg	ND	5.0	04/17/12 16:55	
Chloroform	ug/kg	ND	5.0	04/17/12 16:55	
Chloromethane	ug/kg	ND	5.0	04/17/12 16:55	
cis-1,2-Dichloroethene	ug/kg	ND	2.5	04/17/12 16:55	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/17/12 16:55	
Dibromochloromethane	ug/kg	ND	5.0	04/17/12 16:55	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

METHOD BLANK: 983040 Matrix: Solid

Associated Lab Samples: 60119289001, 60119289002, 60119289003, 60119289009, 60119289010, 60119289011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	04/17/12 16:55	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/17/12 16:55	
Ethylbenzene	ug/kg	ND	5.0	04/17/12 16:55	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/17/12 16:55	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/17/12 16:55	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/17/12 16:55	
Methylene chloride	ug/kg	ND	5.0	04/17/12 16:55	
n-Butylbenzene	ug/kg	ND	5.0	04/17/12 16:55	
n-Propylbenzene	ug/kg	ND	5.0	04/17/12 16:55	
Naphthalene	ug/kg	ND	10.0	04/17/12 16:55	
p-Isopropyltoluene	ug/kg	ND	5.0	04/17/12 16:55	
sec-Butylbenzene	ug/kg	ND	5.0	04/17/12 16:55	
Styrene	ug/kg	ND	5.0	04/17/12 16:55	
tert-Butylbenzene	ug/kg	ND	5.0	04/17/12 16:55	
Tetrachloroethene	ug/kg	ND	5.0	04/17/12 16:55	
Toluene	ug/kg	ND	5.0	04/17/12 16:55	
trans-1,2-Dichloroethene	ug/kg	ND	2.5	04/17/12 16:55	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/17/12 16:55	
Trichloroethene	ug/kg	ND	5.0	04/17/12 16:55	
Trichlorofluoromethane	ug/kg	ND	5.0	04/17/12 16:55	
Vinyl chloride	ug/kg	ND	5.0	04/17/12 16:55	
Xylene (Total)	ug/kg	ND	5.0	04/17/12 16:55	
1,2-Dichloroethane-d4 (S)	%	97	77-131	04/17/12 16:55	
4-Bromofluorobenzene (S)	%	96	75-131	04/17/12 16:55	
Dibromofluoromethane (S)	%	100	68-129	04/17/12 16:55	
Toluene-d8 (S)	%	97	81-121	04/17/12 16:55	

LABORATORY CONTROL SAMPLE: 983041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	106	106	86-124	
1,1,1-Trichloroethane	ug/kg	100	112	112	83-119	
1,1,2,2-Tetrachloroethane	ug/kg	100	97.0	97	83-120	
1,1,2-Trichloroethane	ug/kg	100	100	100	85-120	
1,1-Dichloroethane	ug/kg	100	101	101	82-118	
1,1-Dichloroethene	ug/kg	100	113	113	78-125	
1,1-Dichloropropene	ug/kg	100	117	117	82-122	
1,2,3-Trichlorobenzene	ug/kg	100	102	102	81-126	
1,2,3-Trichloropropane	ug/kg	100	102	102	82-120	
1,2,4-Trichlorobenzene	ug/kg	100	104	104	74-122	
1,2,4-Trimethylbenzene	ug/kg	100	105	105	80-120	
1,2-Dibromo-3-chloropropane	ug/kg	100	96.8	97	73-120	
1,2-Dibromoethane (EDB)	ug/kg	100	105	105	85-121	
1,2-Dichlorobenzene	ug/kg	100	103	103	83-120	
1,2-Dichloroethane	ug/kg	100	95.9	96	80-120	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

LABORATORY CONTROL SAMPLE: 983041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/kg	200	220	110	84-121	
1,2-Dichloropropane	ug/kg	100	108	108	85-118	
1,3,5-Trimethylbenzene	ug/kg	100	105	105	83-121	
1,3-Dichlorobenzene	ug/kg	100	105	105	81-117	
1,3-Dichloropropane	ug/kg	100	98.4	98	84-122	
1,4-Dichlorobenzene	ug/kg	100	104	104	80-117	
2,2-Dichloropropane	ug/kg	100	105	105	76-121	
2-Butanone (MEK)	ug/kg	500	703	141	66-123	L0
2-Chlorotoluene	ug/kg	100	101	101	83-120	
2-Hexanone	ug/kg	500	675	135	79-127	L0
4-Chlorotoluene	ug/kg	100	102	102	81-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	557	111	78-122	
Acetone	ug/kg	500	1130	226	63-123	L0
Benzene	ug/kg	100	111	111	84-119	
Bromobenzene	ug/kg	100	111	111	85-119	
Bromochloromethane	ug/kg	100	107	107	82-123	
Bromodichloromethane	ug/kg	100	104	104	84-126	
Bromoform	ug/kg	100	110	110	73-112	
Bromomethane	ug/kg	100	115	115	66-132	
Carbon disulfide	ug/kg	100	104	104	62-150	
Carbon tetrachloride	ug/kg	100	113	113	78-126	
Chlorobenzene	ug/kg	100	105	105	83-116	
Chloroethane	ug/kg	100	121	121	79-132	
Chloroform	ug/kg	100	98.3	98	79-115	
Chloromethane	ug/kg	100	92.6	93	61-141	
cis-1,2-Dichloroethene	ug/kg	100	100	100	83-120	
cis-1,3-Dichloropropene	ug/kg	100	104	104	86-124	
Dibromochloromethane	ug/kg	100	111	111	78-117	
Dibromomethane	ug/kg	100	105	105	58-117	
Dichlorodifluoromethane	ug/kg	100	94.3	94	32-177	
Ethylbenzene	ug/kg	100	111	111	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	114	114	77-125	
Isopropylbenzene (Cumene)	ug/kg	100	122	122	72-120	L0
Methyl-tert-butyl ether	ug/kg	100	97.2	97	80-125	
Methylene chloride	ug/kg	100	123	123	50-150	
n-Butylbenzene	ug/kg	100	110	110	75-132	
n-Propylbenzene	ug/kg	100	108	108	79-119	
Naphthalene	ug/kg	100	99.3	99	75-131	
p-Isopropyltoluene	ug/kg	100	109	109	79-119	
sec-Butylbenzene	ug/kg	100	111	111	82-124	
Styrene	ug/kg	100	108	108	82-120	
tert-Butylbenzene	ug/kg	100	111	111	82-121	
Tetrachloroethene	ug/kg	100	117	117	81-119	
Toluene	ug/kg	100	110	110	83-117	
trans-1,2-Dichloroethene	ug/kg	100	120	120	84-123	
trans-1,3-Dichloropropene	ug/kg	100	104	104	74-115	
Trichloroethene	ug/kg	100	112	112	84-117	
Trichlorofluoromethane	ug/kg	100	108	108	79-127	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

LABORATORY CONTROL SAMPLE: 983041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/kg	100	106	106	67-128	
Xylene (Total)	ug/kg	300	330	110	80-120	
1,2-Dichloroethane-d4 (S)	%			95	77-131	
4-Bromofluorobenzene (S)	%			100	75-131	
Dibromofluoromethane (S)	%			101	68-129	
Toluene-d8 (S)	%			98	81-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 983042 983043

Parameter	Units	60119465001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	10600	10600	10600	10900	100	102	28-150	3	28	
1,1,1-Trichloroethane	ug/kg	ND	10600	10600	10400	10500	98	99	48-139	1	31	
1,1,2,2-Tetrachloroethane	ug/kg	ND	10600	10600	8920	9460	84	89	22-157	6	40	
1,1,2-Trichloroethane	ug/kg	ND	10600	10600	9300	9520	88	90	36-158	2	30	
1,1-Dichloroethane	ug/kg	ND	10600	10600	9980	9940	94	93	54-130	0	29	
1,1-Dichloroethene	ug/kg	ND	10600	10600	10200	9920	96	93	30-142	3	35	
1,1-Dichloropropene	ug/kg	ND	10600	10600	10300	9550	97	90	37-145	7	33	
1,2,3-Trichlorobenzene	ug/kg	ND	10600	10600	6740	7050	64	66	10-143	5	33	
1,2,3-Trichloropropane	ug/kg	ND	10600	10600	9610	9750	91	92	31-158	1	34	
1,2,4-Trichlorobenzene	ug/kg	ND	10600	10600	7760	7930	73	75	10-134	2	34	
1,2,4-Trimethylbenzene	ug/kg	ND	10600	10600	10400	10800	98	102	29-130	4	35	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10600	10600	8100	8660	76	81	23-135	7	38	
1,2-Dibromoethane (EDB)	ug/kg	ND	10600	10600	8580	8980	81	84	32-137	5	33	
1,2-Dichlorobenzene	ug/kg	ND	10600	10600	9770	10100	92	95	10-135	4	35	
1,2-Dichloroethane	ug/kg	ND	10600	10600	8510	8310	80	78	40-138	2	30	
1,2-Dichloroethene (Total)	ug/kg	ND	21300	21300	21500	21000	101	99	43-140	2	26	
1,2-Dichloropropane	ug/kg	ND	10600	10600	10400	10500	98	99	43-141	1	33	
1,3,5-Trimethylbenzene	ug/kg	ND	10600	10600	10800	11200	101	105	25-139	4	37	
1,3-Dichlorobenzene	ug/kg	ND	10600	10600	10200	10800	97	101	14-130	5	39	
1,3-Dichloropropane	ug/kg	ND	10600	10600	8950	9290	84	87	37-142	4	28	
1,4-Dichlorobenzene	ug/kg	ND	10600	10600	10300	10700	97	101	11-128	4	37	
2,2-Dichloropropane	ug/kg	ND	10600	10600	9230	8890	87	84	40-141	4	38	
2-Butanone (MEK)	ug/kg	ND	53100	53200	18300	19300	34	36	22-149	5	37	
2-Chlorotoluene	ug/kg	ND	10600	10600	10500	11000	99	103	26-141	4	36	
2-Hexanone	ug/kg	ND	53100	53200	11400	10800	21	20	25-145	5	39	M0
4-Chlorotoluene	ug/kg	ND	10600	10600	10300	10700	97	101	21-134	4	34	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	53100	53200	32500	33400	61	63	22-145	3	34	
Acetone	ug/kg	ND	53100	53200	18600	18600	35	35	15-153	0	38	
Benzene	ug/kg	ND	10600	10600	10100	9650	95	91	28-145	4	35	
Bromobenzene	ug/kg	ND	10600	10600	9690	9830	91	92	16-143	1	33	
Bromochloromethane	ug/kg	ND	10600	10600	10400	10600	98	99	45-133	2	32	
Bromodichloromethane	ug/kg	ND	10600	10600	9850	10100	93	95	36-145	3	29	
Bromoform	ug/kg	ND	10600	10600	7910	8160	75	77	20-140	3	33	
Bromomethane	ug/kg	ND	10600	10600	7740	6960	73	65	10-141	11	28	
Carbon disulfide	ug/kg	ND	10600	10600	6220	4680	59	44	21-141	28	30	
Carbon tetrachloride	ug/kg	ND	10600	10600	9670	9030	91	85	35-147	7	35	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 983042 983043

Parameter	Units	60119465001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/kg	ND	10600	10600	9870	10100	93	95	15-139	2	39	
Chloroethane	ug/kg	ND	10600	10600	11200	11000	105	103	20-138	2	39	
Chloroform	ug/kg	ND	10600	10600	9930	10000	94	94	47-135	1	30	
Chloromethane	ug/kg	ND	10600	10600	8560	8170	81	77	17-132	5	36	
cis-1,2-Dichloroethene	ug/kg	ND	10600	10600	9860	9720	93	91	35-147	1	34	
cis-1,3-Dichloropropene	ug/kg	ND	10600	10600	4860	4430	46	42	13-148	9	35	
Dibromochloromethane	ug/kg	ND	10600	10600	9720	10200	92	96	24-150	5	28	
Dibromomethane	ug/kg	ND	10600	10600	9940	10200	94	96	37-140	2	30	
Dichlorodifluoromethane	ug/kg	ND	10600	10600	7760	7660	73	72	10-156	1	37	
Ethylbenzene	ug/kg	ND	10600	10600	10500	10600	99	100	20-141	1	39	
Hexachloro-1,3-butadiene	ug/kg	ND	10600	10600	5930	5210	56	49	10-140	13	35	
Isopropylbenzene (Cumene)	ug/kg	ND	10600	10600	11200	11600	106	109	21-138	3	34	
Methyl-tert-butyl ether	ug/kg	ND	10600	10600	8830	8770	83	82	31-142	1	38	
Methylene chloride	ug/kg	ND	10600	10600	12500	12200	116	113	32-137	2	30	
n-Butylbenzene	ug/kg	ND	10600	10600	7990	8330	75	78	10-144	4	37	
n-Propylbenzene	ug/kg	ND	10600	10600	10500	10900	99	102	21-150	4	36	
Naphthalene	ug/kg	ND	10600	10600	7120	7510	67	71	20-160	5	44	
p-Isopropyltoluene	ug/kg	ND	10600	10600	9730	10200	92	96	12-146	5	38	
sec-Butylbenzene	ug/kg	ND	10600	10600	10400	10800	98	101	21-145	3	39	
Styrene	ug/kg	ND	10600	10600	8360	8570	79	81	9-153	2	34	
tert-Butylbenzene	ug/kg	ND	10600	10600	11100	11600	105	109	20-144	5	37	
Tetrachloroethene	ug/kg	ND	10600	10600	11100	11500	105	108	25-154	3	34	
Toluene	ug/kg	ND	10600	10600	10500	10300	99	97	19-148	1	37	
trans-1,2-Dichloroethene	ug/kg	ND	10600	10600	11600	11300	110	106	41-139	3	34	
trans-1,3-Dichloropropene	ug/kg	ND	10600	10600	6320	6290	60	59	11-140	0	35	
Trichloroethene	ug/kg	ND	10600	10600	10500	10700	99	100	25-156	2	32	
Trichlorofluoromethane	ug/kg	ND	10600	10600	9060	9260	85	87	26-145	2	34	
Vinyl chloride	ug/kg	ND	10600	10600	9300	9020	88	85	27-166	3	36	
Xylene (Total)	ug/kg	ND	31800	31900	31000	31800	97	100	10-140	3	39	
1,2-Dichloroethane-d4 (S)	%						84	80	77-131			
4-Bromofluorobenzene (S)	%						93	95	75-131			
Dibromofluoromethane (S)	%						95	96	68-129			
Toluene-d8 (S)	%						97	96	81-121			

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: OEXT/32796 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 60119289004, 60119289007, 60119289008

METHOD BLANK: 982405 Matrix: Solid
Associated Lab Samples: 60119289004, 60119289007, 60119289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.0	04/18/12 18:52	
PCB-1221 (Aroclor 1221)	ug/kg	ND	64.1	04/18/12 18:52	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.0	04/18/12 18:52	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.0	04/18/12 18:52	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.0	04/18/12 18:52	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.0	04/18/12 18:52	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.0	04/18/12 18:52	
Decachlorobiphenyl (S)	%	100	15-120	04/18/12 18:52	
Tetrachloro-m-xylene (S)	%	95	35-124	04/18/12 18:52	

LABORATORY CONTROL SAMPLE: 982406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	136	83	64-114	
PCB-1260 (Aroclor 1260)	ug/kg	164	173	105	54-119	
Decachlorobiphenyl (S)	%			99	15-120	
Tetrachloro-m-xylene (S)	%			95	35-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 982407 982408

Parameter	Units	60119376001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	210	214	191	194	91	91	29-150	1	29	
PCB-1260 (Aroclor 1260)	ug/kg	ND	210	214	246	254	117	119	37-126	3	29	
Decachlorobiphenyl (S)	%						94	93	15-120			
Tetrachloro-m-xylene (S)	%						101	100	35-124			

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: OEXT/32827 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 60119289004, 60119289007, 60119289008

METHOD BLANK: 983386 Matrix: Water
Associated Lab Samples: 60119289004, 60119289007, 60119289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	04/18/12 16:16	
2,4,5-Trichlorophenol	ug/L	ND	500	04/18/12 16:16	
2,4,6-Trichlorophenol	ug/L	ND	100	04/18/12 16:16	
2,4-Dinitrotoluene	ug/L	ND	100	04/18/12 16:16	
2-Methylphenol(o-Cresol)	ug/L	ND	100	04/18/12 16:16	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	04/18/12 16:16	
Hexachloro-1,3-butadiene	ug/L	ND	100	04/18/12 16:16	
Hexachlorobenzene	ug/L	ND	100	04/18/12 16:16	
Hexachloroethane	ug/L	ND	100	04/18/12 16:16	
Nitrobenzene	ug/L	ND	100	04/18/12 16:16	
Pentachlorophenol	ug/L	ND	500	04/18/12 16:16	
Pyridine	ug/L	ND	100	04/18/12 16:16	
2,4,6-Tribromophenol (S)	%	88	38-126	04/18/12 16:16	
2-Fluorobiphenyl (S)	%	86	43-120	04/18/12 16:16	
2-Fluorophenol (S)	%	75	40-120	04/18/12 16:16	
Nitrobenzene-d5 (S)	%	80	42-120	04/18/12 16:16	
Phenol-d6 (S)	%	75	41-120	04/18/12 16:16	
Terphenyl-d14 (S)	%	82	38-120	04/18/12 16:16	

LABORATORY CONTROL SAMPLE: 983387

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	380	76	42-120	
2,4,5-Trichlorophenol	ug/L	500	438J	88	51-120	
2,4,6-Trichlorophenol	ug/L	500	430	86	50-120	
2,4-Dinitrotoluene	ug/L	500	444	89	53-120	
2-Methylphenol(o-Cresol)	ug/L	500	386	77	46-120	
3&4-Methylphenol(m&p Cresol)	ug/L	500	385	77	35-120	
Hexachloro-1,3-butadiene	ug/L	500	389	78	43-120	
Hexachlorobenzene	ug/L	500	445	89	51-120	
Hexachloroethane	ug/L	500	345	69	38-120	
Nitrobenzene	ug/L	500	382	76	47-120	
Pentachlorophenol	ug/L	500	418J	84	39-123	
Pyridine	ug/L	500	322J	64	1-120	
2,4,6-Tribromophenol (S)	%			87	38-126	
2-Fluorobiphenyl (S)	%			85	43-120	
2-Fluorophenol (S)	%			72	40-120	
Nitrobenzene-d5 (S)	%			78	42-120	
Phenol-d6 (S)	%			69	41-120	
Terphenyl-d14 (S)	%			92	38-120	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

MATRIX SPIKE SAMPLE: 983388

Parameter	Units	60119185005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	500	347	69	46-120	
2,4,5-Trichlorophenol	ug/L	ND	500	446J	89	38-120	
2,4,6-Trichlorophenol	ug/L	ND	500	427	85	42-120	
2,4-Dinitrotoluene	ug/L	ND	500	441	88	45-120	
2-Methylphenol(o-Cresol)	ug/L	ND	500	364	73	42-120	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	500	372	74	20-125	
Hexachloro-1,3-butadiene	ug/L	ND	500	363	73	47-120	
Hexachlorobenzene	ug/L	ND	500	441	88	49-120	
Hexachloroethane	ug/L	ND	500	322	64	39-120	
Nitrobenzene	ug/L	ND	500	359	72	29-127	
Pentachlorophenol	ug/L	ND	500	445J	89	36-130	
Pyridine	ug/L	ND	500	136J	27	1-120	
2,4,6-Tribromophenol (S)	%				87	38-126	
2-Fluorobiphenyl (S)	%				82	43-120	
2-Fluorophenol (S)	%				66	40-120	
Nitrobenzene-d5 (S)	%				72	42-120	
Phenol-d6 (S)	%				66	41-120	
Terphenyl-d14 (S)	%				92	38-120	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: PMST/7159 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 60119289001, 60119289002, 60119289003, 60119289004, 60119289007, 60119289008, 60119289009, 60119289010, 60119289011

METHOD BLANK: 982373 Matrix: Solid
Associated Lab Samples: 60119289001, 60119289002, 60119289003, 60119289004, 60119289007, 60119289008, 60119289009, 60119289010, 60119289011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	04/16/12 00:00	

SAMPLE DUPLICATE: 982374

Parameter	Units	60119362005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.1	21.1	0	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: WET/34548 Analysis Method: SW-846 7.3.4.2
QC Batch Method: SW-846 7.3.4.2 Analysis Description: Reactive Sulfide
Associated Lab Samples: 60119289004, 60119289007, 60119289008

METHOD BLANK: 982351 Matrix: Solid
Associated Lab Samples: 60119289004, 60119289007, 60119289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	ND	100	04/16/12 09:30	

LABORATORY CONTROL SAMPLE: 982352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	200	200	100	77-110	

MATRIX SPIKE SAMPLE: 982353

Parameter	Units	92115831001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	ND	500	490	98	67-116	

SAMPLE DUPLICATE: 982354

Parameter	Units	60119346001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: WET/34555 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 60119289004, 60119289007, 60119289008

SAMPLE DUPLICATE: 982411

Parameter	Units	60119075001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.5	1	3	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: WET/34561 Analysis Method: EPA 9095
QC Batch Method: EPA 9095 Analysis Description: 9095 PAINT FILTER LIQUID TEST
Associated Lab Samples: 60119289004, 60119289007, 60119289008

SAMPLE DUPLICATE: 982470

Parameter	Units	60118797001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids		Negative	Negative			

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119289

QC Batch: WETA/19850 Analysis Method: SW-846 7.3.3.2
QC Batch Method: SW-846 7.3.3.2 Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 60119289004, 60119289007, 60119289008

METHOD BLANK: 981593 Matrix: Solid
Associated Lab Samples: 60119289004, 60119289007, 60119289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	0.016J	0.025	04/13/12 15:14	

LABORATORY CONTROL SAMPLE: 981594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	.51	0.47	93	71-123	

MATRIX SPIKE SAMPLE: 981595

Parameter	Units	92115831001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	ND	.51	0.48	94	57-132	

SAMPLE DUPLICATE: 981945

Parameter	Units	60119289004 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	ND		23	

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QUALIFIERS

Project: FAIRFAX I
Pace Project No.: 60119289

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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WORKORDER QUALIFIERS

WO: 60119289

[1]	The container received for the Trip Blank had a cracked lid and could not be used to perform the analyses for volatiles EPA 8260.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRFAX I
Pace Project No.: 60119289

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60119289004	**SB305 4-6**	EPA 3546	OEXT/32796	EPA 8082	GCSV/12278
60119289007	**SB48 13-15**	EPA 3546	OEXT/32796	EPA 8082	GCSV/12278
60119289008	**SB49 13-15**	EPA 3546	OEXT/32796	EPA 8082	GCSV/12278
60119289004	**SB305 4-6**	EPA 3010	MPRP/17710	EPA 6010	ICP/15006
60119289007	**SB48 13-15**	EPA 3010	MPRP/17710	EPA 6010	ICP/15006
60119289008	**SB49 13-15**	EPA 3010	MPRP/17710	EPA 6010	ICP/15006
60119289004	**SB305 4-6**	EPA 7470	MERP/6186	EPA 7470	MERC/6149
60119289007	**SB48 13-15**	EPA 7470	MERP/6186	EPA 7470	MERC/6149
60119289008	**SB49 13-15**	EPA 7470	MERP/6186	EPA 7470	MERC/6149
60119289004	**SB305 4-6**	EPA 3510	OEXT/32827	EPA 8270	MSSV/10283
60119289007	**SB48 13-15**	EPA 3510	OEXT/32827	EPA 8270	MSSV/10283
60119289008	**SB49 13-15**	EPA 3510	OEXT/32827	EPA 8270	MSSV/10283
60119289004	**SB305 4-6**	EPA 8260	MSV/45066		
60119289007	**SB48 13-15**	EPA 8260	MSV/45066		
60119289008	**SB49 13-15**	EPA 8260	MSV/45066		
60119289001	**TMW 155 18-20**	EPA 8260	MSV/45007		
60119289002	**TMW 154 16-18**	EPA 8260	MSV/45007		
60119289003	**TMW 153 18-20**	EPA 8260	MSV/45007		
60119289009	**SB51 18-20**	EPA 8260	MSV/45007		
60119289010	**SB50 18-20**	EPA 8260	MSV/45007		
60119289011	**SB118B 8-10**	EPA 8260	MSV/45007		
60119289001	**TMW 155 18-20**	ASTM D2974-87	PMST/7159		
60119289002	**TMW 154 16-18**	ASTM D2974-87	PMST/7159		
60119289003	**TMW 153 18-20**	ASTM D2974-87	PMST/7159		
60119289004	**SB305 4-6**	ASTM D2974-87	PMST/7159		
60119289007	**SB48 13-15**	ASTM D2974-87	PMST/7159		
60119289008	**SB49 13-15**	ASTM D2974-87	PMST/7159		
60119289009	**SB51 18-20**	ASTM D2974-87	PMST/7159		
60119289010	**SB50 18-20**	ASTM D2974-87	PMST/7159		
60119289011	**SB118B 8-10**	ASTM D2974-87	PMST/7159		
60119289004	**SB305 4-6**	SW-846 7.3.4.2	WET/34548		
60119289007	**SB48 13-15**	SW-846 7.3.4.2	WET/34548		
60119289008	**SB49 13-15**	SW-846 7.3.4.2	WET/34548		
60119289004	**SB305 4-6**	EPA 9045	WET/34555		
60119289007	**SB48 13-15**	EPA 9045	WET/34555		
60119289008	**SB49 13-15**	EPA 9045	WET/34555		
60119289004	**SB305 4-6**	EPA 9095	WET/34561		
60119289007	**SB48 13-15**	EPA 9095	WET/34561		
60119289008	**SB49 13-15**	EPA 9095	WET/34561		
60119289004	**SB305 4-6**	ASTM D92	WET/34583		
60119289007	**SB48 13-15**	ASTM D92	WET/34583		
60119289008	**SB49 13-15**	ASTM D92	WET/34583		
60119289004	**SB305 4-6**	SW-846 7.3.3.2	WETA/19850		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRFAX I
Pace Project No.: 60119289

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60119289007	**SB48 13-15**	SW-846 7.3.3.2	WETA/19850		
60119289008	**SB49 13-15**	SW-846 7.3.3.2	WETA/19850		

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Associated Environmental, Inc.

Soils Testing Laboratory

Laboratory Report

Client:	**Pace Analytical Svcs.**
Client's Project:	**60119289**
AEI Lab. No.	**1204006A**
Date Received:	**Apr-18-2012**
Date Completed:	**Apr-23-2012**
Sample Identification:	**60119289005**

Test Results

Fraction Organic Carbon - By Walkley-Black Procedure

% Organic Carbon	**0.4**

404 Pottawatomie -- Manhattan, Kansas 66502 (785) 776-7755
Fax (785) 776-0803

Associated Environmental, Inc.

Soils Testing Laboratory

Laboratory Report

Client:	**Pace Analytical Svcs.**
Client's Project:	**60119289**
AEI Lab. No.	**1204006B**
Date Received:	**Apr-18-2012**
Date Completed:	**Apr-23-2012**
Sample Identification:	**60119289006**

Test Results

Fraction Organic Carbon - By Walkley-Black Procedure

% Organic Carbon **0.32**

404 Pottawatomie -- Manhattan, Kansas 66502 (785) 776-7755
Fax (785) 776-0803

Calculation Sheet for Organic Fraction of Soils by Walkley-Black Method
Pace - 60119289

ml of FeSO4 used in blank 11.6

Normality of FeSO4 0.86

AEI Sample #	*ml of FeSO4*	*Grams of Soil*	*Percent. Org. Fract.*	*Correction Factor*	*Sample ID*	*Corrected Percent.Org.Frac.*
1204006A	2.2	8	0.30	1.3	**289005**	**0.40**
1204006B	4	8	0.25	1.3	**289006**	**0.32**
1204006BD	4.1	8	0.24	1.3		**0.32**

1204006BD is a duplicate of 1204006B

Where:
Normality of FeSO4 = 10 / ml of FeSO4 used in blank
% Organic Carbon = ((10 - (ml FeSO4 x Normality of FeSO4)) x 0.003) x 100 / Grams Soil
Corrected Percentage of Organic Fraction = % OC x Correction Factor of 1.3 Page 570 (1982)

Calculations:

Values rounded to 2 decimal points.

Percentage of Organic Carbon:

1204006A
0.30 = ((10 - (2.2 x 0.86)) x 0.003) x 100 / 8 grams soil
1204006B
0.25 = ((10 - (4.0 x 0.86)) x 0.003) x 100 / 8 grams soil
1204006BD
0.24 = ((10 - (4.1 x 0.86)) x 0.003) x 100 / 8 grams soil

Corrected Percentage of Organic Carbon:

1204006A
0.40 = 0.30 x 1.3
1204006B
0.32 = 0.25 x 1.3
1204006BD
0.32 = 0.24 x 1.3

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 60119289 **Workorder Name:** GM FAIRFAX **Results Requested** 4/26/2012

Report / Invoice To	Subcontract To
Angie Brown Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665 Email: Angie.Brown@pacelabs.com	P.O. SUB-6273

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: none						Requested Analysis: TOC Walkley Black												AEI LAB.# / LAB USE ONLY
1	BACKGROUND 1-2	4/11/2012 14:00	60119289005	Solid	1						X												1204006A
2	BACKGROUND 10-12	4/11/2012 14:10	60119289006	Solid	1						X												1204006B
3																							
4																							
5																							

Pace Package 60 of 85

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	4/16/12 1700		
2				
3			I. AMAYA / AEI SOILS LAB.	4-18-12 6:30

Comments

Cooler Temperature on Receipt °C **Custody Seal** Y or (N) **Received on Ice** Y or (N) **Samples Intact** (Y) or N

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

April 25, 2012

Angie Brown
Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219

RE: Project 20137637
Project ID: 60119289/RACER_CRA

Dear Angie Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on April 12, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karen Brown
karen.brown@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20137637

Client: PASI Kansas

Project ID: 60119289/RACER_CRA

Washington Department of Ecology C2078

Oregon Environmental Laboratory Accreditation - LA200001

U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119

Pennsylvania Dept. of Env Protection (NELAC) 68-04202

Texas Commission on Env. Quality (NELAC) T104704405-09-TX

Kansas Department of Health and Environment (NELAC) E-10266

Florida Department of Health (NELAC) E87595

Oklahoma Department of Environmental Quality - 2010-139

Illinois Environmental Protection Agency - 0025721

California Env. Lab Accreditation Program Branch - 11277CA

Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

REPORT OF LABORATORY ANALYSIS

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Sample Cross Reference

Pace Analytical Services, Inc.
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(504) 469-0333

Project: 20137637

Client: PASI Kansas

Project ID: 60119289/RACER_CRA

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
SB305 4-6	20979390	Other	11-Apr-12 13:30	12-Apr-12 00:00
SB48 13-15	20979391	Other	11-Apr-12 15:02	12-Apr-12 00:00
SB49 13-15	20979393	Other	11-Apr-12 15:20	12-Apr-12 00:00

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(504) 469-0333

Project: 20137637

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.

QC Cross Reference

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St. Rose, LA 70087
(504) 469-0333

Project: 20137637

Analytical Method	Batch	Sample used for QC
EPA 8081	182385	Project sample SB305 4-6
EPA 8151	182387	Project sample SB305 4-6

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

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Sample Results

Client: PASI Kansas

Client ID: SB305 4-6
Project ID: 60119289/RACER_CRA
Lab ID: 20979390 (TCLP)
Description: None
Method: EPA 8081 (TCLP)
8081 Pests TCLP

Project: 20137637
Site: None
Matrix: Other **% Moisture:** n/a
Prep Level: TCLP **Batch:** 182385

Collected: 11-Apr-12 **Received:** 12-Apr-12
Prepared: 19-Apr-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.000500	0.400	20-Apr-12 10:15	TWB
57-74-9	Chlordane	1	ND		0.00500	0.00500	0.0300	20-Apr-12 10:15	TWB
72-20-8	Endrin	1	ND		0.00100	0.00100	0.0200	20-Apr-12 10:15	TWB
76-44-8	Heptachlor	1	ND		0.000500	0.000500	0.00800	20-Apr-12 10:15	TWB
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.000500	0.00800	20-Apr-12 10:15	TWB
72-43-5	Methoxychlor	1	ND		0.00500	0.00500	10.0	20-Apr-12 10:15	TWB
8001-35-2	Toxaphene	1	ND		0.0200	0.0200	0.500	20-Apr-12 10:15	TWB

7 compound(s) reported

Sample Results

Pace Analytical Services, Inc.
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Client: PASI Kansas

Client ID: SB305 4-6
Project ID: 60119289/RACER_CRA
Lab ID: 20979390 (TCLP)
Description: None
Method: EPA 8151 (TCLP)
8151 Herbs TCLP

Project: 20137637
Site: None
Matrix: Other **% Moisture:** n/a
Prep Level: TCLP **Batch:** 182387

Collected: 11-Apr-12 **Received:** 12-Apr-12
Prepared: 19-Apr-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	0.0200	10.0	24-Apr-12 12:38	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	0.0200	1.00	24-Apr-12 12:38	SPP1

2 compound(s) reported

Protocol 4/25/2012 15:58:54

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
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Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Sample Results

Client: PASI Kansas

Client ID: SB48 13-15
Project ID: 60119289/RACER_CRA
Lab ID: 20979391 (TCLP)
Description: None
Method: EPA 8081 (TCLP)
8081 Pests TCLP

Project: 20137637
Site: None
Matrix: Other **% Moisture:** n/a
Prep Level: TCLP **Batch:** 182385

Collected: 11-Apr-12 **Received:** 12-Apr-12
Prepared: 19-Apr-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.000500	0.400	20-Apr-12 11:08	TWB
57-74-9	Chlordane	1	ND		0.00500	0.00500	0.0300	20-Apr-12 11:08	TWB
72-20-8	Endrin	1	ND		0.00100	0.00100	0.0200	20-Apr-12 11:08	TWB
76-44-8	Heptachlor	1	ND		0.000500	0.000500	0.00800	20-Apr-12 11:08	TWB
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.000500	0.00800	20-Apr-12 11:08	TWB
72-43-5	Methoxychlor	1	ND		0.00500	0.00500	10.0	20-Apr-12 11:08	TWB
8001-35-2	Toxaphene	1	ND		0.0200	0.0200	0.500	20-Apr-12 11:08	TWB

7 compound(s) reported

Protocol 4/25/2012 15:58:54

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Sample Results

Pace Analytical Services, Inc.
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(504) 469-0333

Client: PASI Kansas

Client ID: SB48 13-15
Project ID: 60119289/RACER_CRA
Lab ID: 20979391 (TCLP)
Description: None
Method: EPA 8151 (TCLP)
8151 Herbs TCLP

Project: 20137637
Site: None
Matrix: Other **% Moisture:** n/a
Prep Level: TCLP **Batch:** 182387

Collected: 11-Apr-12 **Received:** 12-Apr-12
Prepared: 19-Apr-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	0.0200	10.0	24-Apr-12 13:43	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	0.0200	1.00	24-Apr-12 13:43	SPP1

2 compound(s) reported

Protocol 4/25/2012 15:58:54

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Sample Results

Client: PASI Kansas

Client ID: SB49 13-15
Project ID: 60119289/RACER_CRA
Lab ID: 20979393 (TCLP)
Description: None
Method: EPA 8081 (TCLP)
8081 Pests TCLP

Project: 20137637
Site: None
Matrix: Other **% Moisture:** n/a
Prep Level: TCLP **Batch:** 182385

Collected: 11-Apr-12 **Received:** 12-Apr-12
Prepared: 19-Apr-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.000500	0.400	20-Apr-12 11:22	TWB
57-74-9	Chlordane	1	ND		0.00500	0.00500	0.0300	20-Apr-12 11:22	TWB
72-20-8	Endrin	1	ND		0.00100	0.00100	0.0200	20-Apr-12 11:22	TWB
76-44-8	Heptachlor	1	ND		0.000500	0.000500	0.00800	20-Apr-12 11:22	TWB
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.000500	0.00800	20-Apr-12 11:22	TWB
72-43-5	Methoxychlor	1	ND		0.00500	0.00500	10.0	20-Apr-12 11:22	TWB
8001-35-2	Toxaphene	1	ND		0.0200	0.0200	0.500	20-Apr-12 11:22	TWB

7 compound(s) reported

Protocol 4/25/2012 15:58:54

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(504) 469-0333

Sample Results

Client: PASI Kansas

Client ID: SB49 13-15
Project ID: 60119289/RACER_CRA
Lab ID: 20979393 (TCLP)
Description: None
Method: EPA 8151 (TCLP)
8151 Herbs TCLP

Project: 20137637
Site: None
Matrix: Other **% Moisture:** n/a
Prep Level: TCLP **Batch:** 182387

Collected: 11-Apr-12 **Received:** 12-Apr-12
Prepared: 19-Apr-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	0.0200	10.0	24-Apr-12 14:47	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	0.0200	1.00	24-Apr-12 14:47	SPP1

2 compound(s) reported

Protocol 4/25/2012 15:58:54

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Surrogate Recovery

Batch: 182385 **Project:** 20137637

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20979534	182385 BLANK 1		64	66	56	66				
20979535	182385 LCS 1		67	70	51	52				
20979390	SB305 4-6		64	66	54	58				
20979536	SB305 4-6 MS 1		74	77	55	56				
20979537	SB305 4-6 MSD 1		58	58	42	42				
20979391	SB48 13-15		72	74	52	56				
20979393	SB49 13-15		60	62	54	53				
	QC limits:		10-137	10-137	18-119	18-119				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Surrogate Recovery

Batch: 182387 **Project:** 20137637

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20979540	182387 BLANK 1		84	78						
20979541	182387 LCS 1		87	88						
20979390	SB305 4-6		79	81						
20979542	SB305 4-6 MS 1		93	94						
20979543	SB305 4-6 MSD 1		104	105						
20979391	SB48 13-15		89	89						
20979393	SB49 13-15		91	85						
	QC limits:		10-166	10-166						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Quality Control

Batch: 182385
Method: TCLP GC Semivolatile Organics

Project: 20137637
Units: mg/L

LCS: 20979535 20-Apr-12 10:01
MS: 20979536 20-Apr-12 10:28
MSD: 20979537 20-Apr-12 10:55
Original for MS: Client Sample 20979390

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
gamma-BHC (Lindane)	0.00500	0.00386	77	0.00500		0.00422	0.00323	84	65	27 *	26-134	18-154	20	
Endrin	0.00500	0.00327	65	0.00500		0.00353	0.00282	71	57	22 *	27-160	37-155	20	
Heptachlor	0.00500	0.00318	64	0.00500		0.00335	0.00282	67	57	17	10-116	10-138	21	
Heptachlor epoxide	0.00500	0.00386	77	0.00500		0.00411	0.00328	82	66	22 *	27-123	21-139	20	
Methoxychlor	0.00500	0.00311	62	0.00500		0.00368	0.00293	74	59	23 *	25-156	21-169	20	

5 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 4/25/2012 15:58:57

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Quality Control

Batch: 182387 **Project:** 20137637 **LCS:** 20979541 24-Apr-12 12:17

Method: TCLP GC Semivolatile Organics **MS:** 20979542 24-Apr-12 13:00

Units: mg/L **MSD:** 20979543 24-Apr-12 13:21

Original for MS: Client Sample 20979390

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	0.200	0.187	94	0.200		0.210	0.228	105	114	8	10-159	10-167	27	
2,4,5-TP (Silvex)	0.0200	0.0204	102	0.0200		0.0218	0.0245	109	122	12	30-165	31-168	20	

2 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 4/25/2012 15:58:57

Blank Results

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Blank ID: 182385 BLANK 1 **Project:** 20137637

Lab ID: 20979534

Prep Level: TCLP **Batch:** 182385

Method: TCLP GC Semivolatile Organics

Prepared: 19-Apr-12

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.000500	20-Apr-12 09:48	TWB
57-74-9	Chlordane	1	ND		0.00500	0.00500	20-Apr-12 09:48	TWB
72-20-8	Endrin	1	ND		0.00100	0.00100	20-Apr-12 09:48	TWB
76-44-8	Heptachlor	1	ND		0.000500	0.000500	20-Apr-12 09:48	TWB
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.000500	20-Apr-12 09:48	TWB
72-43-5	Methoxychlor	1	ND		0.00500	0.00500	20-Apr-12 09:48	TWB
8001-35-2	Toxaphene	1	ND		0.0200	0.0200	20-Apr-12 09:48	TWB

7 compound(s) reported

Protocol Blank 4/25/2012 15:58:58

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 182387 BLANK 1 **Project:** 20137637

Lab ID: 20979540

Prep Level: TCLP **Batch:** 182387

Method: TCLP GC Semivolatile Organics

Prepared: 19-Apr-12

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
94-75-7	2,4-D	1	ND		0.0200	0.0200	24-Apr-12 11:55 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	0.0200	24-Apr-12 11:55 SPP1

2 compound(s) reported

Protocol Blank 4/25/2012 15:58:58

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

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Pace Analytical Services, Inc.
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Project: 20137637

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
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St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20137637 PASI-KANS

20137637

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Workorder: 60119289 **Workorder Name:** GM FAIRFAX **Owner Received Date:** 4/12/2012 **Results Requested By:** 4/26/2012

Report To	Subcontract To
Angie Brown Pace Analytical Services, Inc. 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665 Fax (913)599-1759	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: none	Requested Analysis: TCLP Pesticides EPA 8081	Requested Analysis: TCLP Herbicides EPA 8151	LAB USE ONLY
1	SB305 4-6	PS	4/11/2012 13:30	60119289004	Solid	1	X	X	20979390
2	SB48 13-15	PS	4/11/2012 15:02	60119289007	Solid	1	X	X	391
3	SB49 13-15	PS	4/11/2012 15:20	60119289008	Solid	1	X	X	393
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature] FedEx	4/17/12 1700 4-18-12 1010	[signature]	4-18-12 1010
2				
3				

Comments: LOCO

Cooler Temperature on Receipt 2.3 °C Custody Seal (Y) or N Received on Ice (Y) or N Samples Intact (Y) or N

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

20137637 PASI-KANS

Sample Cond

Courier: ☐ Pace Courier ☐ Hackbarth ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑Yes ☐No

Therometer Used: ☑ Therm Fisher IR 1 ☐ Therm Fisher IR 2 ☐ Therm Fisher IR 4

Type of Ice: Wet Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 4-18-12

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☑Yes ☐No ☐N/A	1	
Chain of Custody Present:	☑Yes ☐No ☐N/A	2	
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4	
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5	
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6	
Sufficient Volume:	☑Yes ☐No ☐N/A	7	
Correct Containers Used:	☑Yes ☐No ☐N/A	8	
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☑N/A	9	
Sample Labels match COC:	☑Yes ☐No ☐N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11	
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13	If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14	
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14	
Trip Blank Present:	☐Yes ☐No ☑N/A	16	
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	17	
Pace Trip Blank Lot # (if purchased): N/A		18	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.06, 28Jul2010 - mod

Chain of Custody

20137637 PASI-KANS

20137637

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Workorder: 60119289 **Workorder Name:** GM FAIRFAX **Owner Received Date:** 4/12/2012 **Results Requested By:** 4/26/2012

Report To	Subcontract To
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Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: none	Requested Analysis: TCLP Pesticides EPA 8081	Requested Analysis: TCLP Herbicides EPA 8151	LAB USE ONLY
1	SB305 4-6	PS	4/11/2012 13:30	60119289004	Solid	1	X	X	20137390
2	SB48 13-15	PS	4/11/2012 15:02	60119289007	Solid	1	X	X	391
3	SB49 13-15	PS	4/11/2012 15:20	60119289008	Solid	1	X	X	393
4									
5									

Page Package 82 of 85

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature] FedEx	4/17/12 1700		
2		4-18-12 1010	[signature]	4-18-12 1010
3				

Comments

Cooler Temperature on Receipt 2.3 °C Custody Seal (Y) or N Received on Ice (Y) or N Samples Intact (Y) or N

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

20137637 PASI-KANS

Sample Cond

Courier: ☐ Pace Courier ☐ Hackbarth ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑Yes ☐No

Therometer Used:	☑ Therm Fisher IR 1 ☐ Therm Fisher IR 2 ☐ Therm Fisher IR 4

Type of Ice: Wet Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 4-18-12

Temp must be measured from Temperature blank when present

				Comments:
Temperature Blank Present"?	☑Yes	☐No	☐N/A	1
Chain of Custody Present:	☑Yes	☐No	☐N/A	2
Chain of Custody Complete:	☑Yes	☐No	☐N/A	3
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	4
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	5
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	6
Sufficient Volume:	☑Yes	☐No	☐N/A	7
Correct Containers Used:	☑Yes	☐No	☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes	☑No	☐N/A	9
Sample Labels match COC:	☑Yes	☐No	☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes	☐No	☐N/A	11
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐Yes	☐No	☑N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	14
Trip Blank Present:	☐Yes	☐No	☑N/A	16
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	17
Pace Trip Blank Lot # (if purchased): N/A				18

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

CHAIN-OF-CUSTODY RECORD

SHIPPED TO (Laboratory Name): Pace

REFERENCE NUMBER: 12559

PROJECT NAME: GM Fairfax

SAMPLER'S SIGNATURE: John Hargens **PRINTED NAME:** John Hargens

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS: TCL-VOC	Full TCLP	Paint Filter	RCI	PCB	FOC	REMARKS: 60119289
	4-11-12	1030	TMW 155 18-20	soil	6	✓						1(WEG) 2(VEG) 2(DEG) 1(DEG) 001
		1110	TMW 154 16-18		6	✓						002
		1205	TMW 153 18-20		6	✓						003
		1330	SB 305 4-6		3		✓	✓	✓	✓		1(WEG) 2(WEG) 004
		1400	Background 1-2		1						✓	1(WEG) 005
		1410	Background 10-12		1						✓	006
		1502	SB 48 13-15		3		✓	✓	✓	✓		1(WEG) 2(WEG) 007
		1520	SB 49 13-15		3		✓	✓	✓	✓		008
		1540	SB 51 18-20		6	✓						1(WEG) 2(VEG) 2(DEG) 1(DEG) 009
		1600	SB 50 18-20		6	✓						010
	4-12-12	1600	SB 118B 8-10		6	✓						011
			Trip Blank		1	✓						1(VEG) 012

TOTAL NUMBER OF CONTAINERS 48

RELINQUISHED BY: ① John Hargens	DATE: 4-12-12 TIME: 1625	RECEIVED BY: ②	DATE: 4/12/12 TIME: 1625
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

0.4°C

METHOD OF SHIPMENT: in Person **AIR BILL No.**

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:
DATE: TIME:

005991

1001-00(SOURCE)GN-CO004

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Sample Condition Upon Receipt

Client Name: CRA Project # 60119289

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other _____

Tracking #: _____ Pace Shipping Label Used? ☐ Yes ☒ No

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No

Optional	
Proj. Due Date:	
Proj. Name:	4/26/12

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Other _____

Thermometer Used: T-191 / T-194 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 0.4°C

Temperature should be above freezing to 6°C

Date and Initials of person examining contents: JWS 4/12/12 1645

				Comments:
Chain of Custody present:	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody filled out:	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody relinquished:	☑ Yes	☐ No	☐ N/A	3.
Sampler name & signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples arrived within holding time:	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time analyses (<72hr):	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time requested:	☐ Yes	☑ No	☐ N/A	7.
Sufficient volume:	☑ Yes	☐ No	☐ N/A	8.
Correct containers used:	☑ Yes	☐ No	☐ N/A	9.
-Pace containers used:	☑ Yes	☐ No	☐ N/A	
Containers intact:	☑ Yes	☐ No	☐ N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐ Yes	☐ No	☑ N/A	11.
Filtered volume received for dissolved tests	☐ Yes	☐ No	☑ N/A	12.
Sample labels match COC:	☑ Yes	☐ No	☐ N/A	13.
-Includes date/time/ID/analyses Matrix: soil				
All containers needing preservation have been checked.	☐ Yes	☐ No	☒ N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	☐ Yes	☐ No		Initial when completed: NM4 Lot # of added preservative:
Trip Blank present:	☒ Yes	☐ No	☐ N/A	15.
Pace Trip Blank lot # (if purchased): 072012-3				
Headspace in VOA vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Project sampled in USDA Regulated Area:	☐ Yes	☐ No	☑ N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 4/12/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

May 02, 2012

Phil Harvey
Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

RE: Project: FAIRFAX I
Pace Project No.: 60119529

Dear Phil Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on April 17, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angie Brown

Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Travis Kogl, Conestoga-Rovers & Associates

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(913)599-5665

CERTIFICATIONS

Project: FAIRFAX I
Pace Project No.: 60119529

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: FAIRFAX I
Pace Project No.: 60119529

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60119529001	**SB119A 18-20**	Solid	04/16/12 16:30	04/17/12 17:40
60119529002	**SB119B 18-20**	Solid	04/17/12 10:45	04/17/12 17:40
60119529003	**DRUM COMOSITE**	Solid	04/17/12 16:00	04/17/12 17:40
60119529004	**TRIP BLANK**	Solid	04/17/12 00:00	04/17/12 17:40

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SAMPLE ANALYTE COUNT

Project: FAIRFAX I
Pace Project No.: 60119529

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60119529001	**SB119A 18-20**	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119529002	**SB119B 18-20**	EPA 8260	RAB	69
		ASTM D2974-87	DWC	1
60119529003	**DRUM COMOSITE**	EPA 8082	NAW	9
		EPA 6010	JDH	7
		EPA 7470	TDS	1
		EPA 8270	JMT	18
		EPA 8260	JDM	14
		ASTM D2974-87	DWC	1
		SW-846 7.3.4.2	JML	1
		EPA 9045	CMG	1
		EPA 9095	OL	1
		ASTM D92	OL	1
		SW-846 7.3.3.2	OL	1
60119529004	**TRIP BLANK**	EPA 8260	RAB	69

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **EPA 8082**
Description: 8082 GCS PCB SW
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **EPA 6010**
Description: 6010 MET ICP, TCLP
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **EPA 7470**
Description: 7470 Mercury, TCLP
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **EPA 8270**
Description: 8270 MSSV TCLP Sep Funnel
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **EPA 8260**
Description: 8260 MSV TCLP
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/45121

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 986633)
  - 1,1,2,2-Tetrachloroethane

QC Batch: MSV/45155

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 987305)
  - Acetone

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/45155

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60119535001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 987306)
  - Acetone
- MSD (Lab ID: 987307)
  - Acetone

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: RACER_CRA IL
Date: May 02, 2012

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/45121

B: Analyte was detected in the associated method blank.

- SB119A 18-20 (Lab ID: 60119529001)
  - Bromomethane
- SB119B 18-20 (Lab ID: 60119529002)
  - Bromomethane

QC Batch: MSV/45155

B: Analyte was detected in the associated method blank.

- TRIP BLANK (Lab ID: 60119529004)
  - Bromomethane

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Lenexa, KS 66219
(913)599-5665

PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **SW-846 7.3.4.2**
Description: Reactive Sulfide
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for SW-846 7.3.4.2. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **EPA 9045**
Description: 9045 pH Soil
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for EPA 9045. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **EPA 9095**
Description: 9095 Paint Filter Liquid Test
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for EPA 9095. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **ASTM D92**
Description: Flashpoint, Open Cup
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for ASTM D92. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX I
Pace Project No.: 60119529

Method: **SW-846 7.3.3.2**
Description: 733C S Reactive Cyanide
Client: RACER_CRA IL
Date: May 02, 2012

General Information:
1 sample was analyzed for SW-846 7.3.3.2. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119529

Sample: SB119A 18-20 **Lab ID: 60119529001** Collected: 04/16/12 16:30 Received: 04/17/12 17:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	19.3	2.3	1		04/24/12 14:15	67-64-1	
Benzene	ND	ug/kg	4.8	0.37	1		04/24/12 14:15	71-43-2	
Bromobenzene	ND	ug/kg	4.8	0.29	1		04/24/12 14:15	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	0.65	1		04/24/12 14:15	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	0.23	1		04/24/12 14:15	75-27-4	
Bromoform	ND	ug/kg	4.8	0.30	1		04/24/12 14:15	75-25-2	
Bromomethane	**1.4J**	ug/kg	4.8	0.71	1		04/24/12 14:15	74-83-9	B
2-Butanone (MEK)	ND	ug/kg	9.7	3.0	1		04/24/12 14:15	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	0.41	1		04/24/12 14:15	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	0.47	1		04/24/12 14:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	0.42	1		04/24/12 14:15	98-06-6	
Carbon disulfide	ND	ug/kg	4.8	1.2	1		04/24/12 14:15	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	0.49	1		04/24/12 14:15	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	0.30	1		04/24/12 14:15	108-90-7	
Chloroethane	ND	ug/kg	4.8	0.55	1		04/24/12 14:15	75-00-3	
Chloroform	**1.1J**	ug/kg	4.8	0.38	1		04/24/12 14:15	67-66-3	
Chloromethane	ND	ug/kg	4.8	0.58	1		04/24/12 14:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	0.44	1		04/24/12 14:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	0.39	1		04/24/12 14:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.7	0.31	1		04/24/12 14:15	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	0.23	1		04/24/12 14:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	0.30	1		04/24/12 14:15	106-93-4	
Dibromomethane	ND	ug/kg	4.8	0.29	1		04/24/12 14:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	0.32	1		04/24/12 14:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	0.33	1		04/24/12 14:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	0.37	1		04/24/12 14:15	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.8	0.47	1		04/24/12 14:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	0.48	1		04/24/12 14:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	0.29	1		04/24/12 14:15	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.8	0.79	1		04/24/12 14:15	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.8	0.57	1		04/24/12 14:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.4	0.37	1		04/24/12 14:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.4	0.43	1		04/24/12 14:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	0.32	1		04/24/12 14:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	0.30	1		04/24/12 14:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	0.43	1		04/24/12 14:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	0.42	1		04/24/12 14:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	0.39	1		04/24/12 14:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	0.31	1		04/24/12 14:15	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	0.44	1		04/24/12 14:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	0.66	1		04/24/12 14:15	87-68-3	
2-Hexanone	ND	ug/kg	19.3	0.63	1		04/24/12 14:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	0.41	1		04/24/12 14:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	0.46	1		04/24/12 14:15	99-87-6	
Methylene chloride	ND	ug/kg	4.8	0.79	1		04/24/12 14:15	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119529

Sample: SB119A 18-20 **Lab ID: 60119529001** Collected: 04/16/12 16:30 Received: 04/17/12 17:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.7	0.65	1		04/24/12 14:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	0.33	1		04/24/12 14:15	1634-04-4	
Naphthalene	ND	ug/kg	9.7	0.22	1		04/24/12 14:15	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	0.38	1		04/24/12 14:15	103-65-1	
Styrene	ND	ug/kg	4.8	0.35	1		04/24/12 14:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	0.27	1		04/24/12 14:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	0.22	1		04/24/12 14:15	79-34-5	L2
Tetrachloroethene	**1.3J**	ug/kg	4.8	0.47	1		04/24/12 14:15	127-18-4	
Toluene	ND	ug/kg	4.8	0.37	1		04/24/12 14:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	0.23	1		04/24/12 14:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	0.67	1		04/24/12 14:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	0.45	1		04/24/12 14:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	0.27	1		04/24/12 14:15	79-00-5	
Trichloroethene	ND	ug/kg	4.8	0.45	1		04/24/12 14:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	0.51	1		04/24/12 14:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	0.48	1		04/24/12 14:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	0.40	1		04/24/12 14:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	0.39	1		04/24/12 14:15	108-67-8	
Vinyl chloride	ND	ug/kg	4.8	0.63	1		04/24/12 14:15	75-01-4	
Xylene (Total)	ND	ug/kg	4.8	1.1	1		04/24/12 14:15	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	110	%	68-129		1		04/24/12 14:15	1868-53-7	
Toluene-d8 (S)	101	%	81-121		1		04/24/12 14:15	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-131		1		04/24/12 14:15	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	77-131		1		04/24/12 14:15	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.4**	%	0.50	0.50	1		04/19/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119529

Sample: SB119B 18-20 **Lab ID: 60119529002** Collected: 04/17/12 10:45 Received: 04/17/12 17:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**5.4J**	ug/kg	26.4	3.2	1		04/24/12 14:31	67-64-1	
Benzene	ND	ug/kg	6.6	0.50	1		04/24/12 14:31	71-43-2	
Bromobenzene	ND	ug/kg	6.6	0.40	1		04/24/12 14:31	108-86-1	
Bromochloromethane	ND	ug/kg	6.6	0.88	1		04/24/12 14:31	74-97-5	
Bromodichloromethane	ND	ug/kg	6.6	0.32	1		04/24/12 14:31	75-27-4	
Bromoform	ND	ug/kg	6.6	0.41	1		04/24/12 14:31	75-25-2	
Bromomethane	**1.7J**	ug/kg	6.6	0.96	1		04/24/12 14:31	74-83-9	B
2-Butanone (MEK)	**4.9J**	ug/kg	13.2	4.1	1		04/24/12 14:31	78-93-3	
n-Butylbenzene	ND	ug/kg	6.6	0.55	1		04/24/12 14:31	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.6	0.65	1		04/24/12 14:31	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.6	0.57	1		04/24/12 14:31	98-06-6	
Carbon disulfide	ND	ug/kg	6.6	1.7	1		04/24/12 14:31	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.6	0.67	1		04/24/12 14:31	56-23-5	
Chlorobenzene	ND	ug/kg	6.6	0.41	1		04/24/12 14:31	108-90-7	
Chloroethane	ND	ug/kg	6.6	0.75	1		04/24/12 14:31	75-00-3	
Chloroform	**1.5J**	ug/kg	6.6	0.51	1		04/24/12 14:31	67-66-3	
Chloromethane	ND	ug/kg	6.6	0.79	1		04/24/12 14:31	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.6	0.61	1		04/24/12 14:31	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.6	0.53	1		04/24/12 14:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	13.2	0.42	1		04/24/12 14:31	96-12-8	
Dibromochloromethane	ND	ug/kg	6.6	0.32	1		04/24/12 14:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.6	0.41	1		04/24/12 14:31	106-93-4	
Dibromomethane	ND	ug/kg	6.6	0.40	1		04/24/12 14:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.6	0.44	1		04/24/12 14:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.6	0.45	1		04/24/12 14:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.6	0.50	1		04/24/12 14:31	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	6.6	0.65	1		04/24/12 14:31	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.6	0.66	1		04/24/12 14:31	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.6	0.40	1		04/24/12 14:31	107-06-2	
1,2-Dichloroethene (Total)	**27.8**	ug/kg	6.6	1.1	1		04/24/12 14:31	540-59-0	
1,1-Dichloroethene	ND	ug/kg	6.6	0.78	1		04/24/12 14:31	75-35-4	
cis-1,2-Dichloroethene	**27.8**	ug/kg	3.3	0.50	1		04/24/12 14:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.3	0.58	1		04/24/12 14:31	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.6	0.44	1		04/24/12 14:31	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.6	0.41	1		04/24/12 14:31	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.6	0.58	1		04/24/12 14:31	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.6	0.57	1		04/24/12 14:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.6	0.53	1		04/24/12 14:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.6	0.42	1		04/24/12 14:31	10061-02-6	
Ethylbenzene	ND	ug/kg	6.6	0.61	1		04/24/12 14:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.6	0.90	1		04/24/12 14:31	87-68-3	
2-Hexanone	ND	ug/kg	26.4	0.86	1		04/24/12 14:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.6	0.55	1		04/24/12 14:31	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.6	0.63	1		04/24/12 14:31	99-87-6	
Methylene chloride	ND	ug/kg	6.6	1.1	1		04/24/12 14:31	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119529

Sample: SB119B 18-20 **Lab ID: 60119529002** Collected: 04/17/12 10:45 Received: 04/17/12 17:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	13.2	0.88	1		04/24/12 14:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.6	0.45	1		04/24/12 14:31	1634-04-4	
Naphthalene	ND	ug/kg	13.2	0.30	1		04/24/12 14:31	91-20-3	
n-Propylbenzene	ND	ug/kg	6.6	0.51	1		04/24/12 14:31	103-65-1	
Styrene	ND	ug/kg	6.6	0.48	1		04/24/12 14:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.6	0.37	1		04/24/12 14:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.6	0.30	1		04/24/12 14:31	79-34-5	L2
Tetrachloroethene	ND	ug/kg	6.6	0.65	1		04/24/12 14:31	127-18-4	
Toluene	ND	ug/kg	6.6	0.50	1		04/24/12 14:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.6	0.32	1		04/24/12 14:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.6	0.91	1		04/24/12 14:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.6	0.62	1		04/24/12 14:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.6	0.37	1		04/24/12 14:31	79-00-5	
Trichloroethene	ND	ug/kg	6.6	0.62	1		04/24/12 14:31	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.6	0.70	1		04/24/12 14:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.6	0.66	1		04/24/12 14:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.6	0.54	1		04/24/12 14:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.6	0.53	1		04/24/12 14:31	108-67-8	
Vinyl chloride	ND	ug/kg	6.6	0.86	1		04/24/12 14:31	75-01-4	
Xylene (Total)	ND	ug/kg	6.6	1.5	1		04/24/12 14:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	112	%	68-129		1		04/24/12 14:31	1868-53-7	
Toluene-d8 (S)	102	%	81-121		1		04/24/12 14:31	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-131		1		04/24/12 14:31	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	77-131		1		04/24/12 14:31	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**29.8**	%	0.50	0.50	1		04/19/12 00:00		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119529

Sample: DRUM COMOSITE **Lab ID: 60119529003** Collected: 04/17/12 16:00 Received: 04/17/12 17:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	40.3	20.2	1	04/24/12 00:00	04/26/12 19:49	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	80.7	40.3	1	04/24/12 00:00	04/26/12 19:49	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	40.3	20.2	1	04/24/12 00:00	04/26/12 19:49	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	40.3	20.2	1	04/24/12 00:00	04/26/12 19:49	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	40.3	20.2	1	04/24/12 00:00	04/26/12 19:49	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	40.3	20.2	1	04/24/12 00:00	04/26/12 19:49	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	40.3	20.2	1	04/24/12 00:00	04/26/12 19:49	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	35-124		1	04/24/12 00:00	04/26/12 19:49	877-09-8	
Decachlorobiphenyl (S)	73	%	15-120		1	04/24/12 00:00	04/26/12 19:49	2051-24-3	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 04/24/12 00:00								
Arsenic	ND	mg/L	0.50	0.059	1	04/24/12 16:20	04/25/12 17:57	7440-38-2	
Barium	**1.5J**	mg/L	2.5	0.0070	1	04/24/12 16:20	04/25/12 17:57	7440-39-3	
Cadmium	**0.0086J**	mg/L	0.050	0.0040	1	04/24/12 16:20	04/25/12 17:57	7440-43-9	
Chromium	ND	mg/L	0.10	0.0090	1	04/24/12 16:20	04/25/12 17:57	7440-47-3	
Lead	ND	mg/L	0.50	0.029	1	04/24/12 16:20	04/25/12 17:57	7439-92-1	
Selenium	ND	mg/L	0.50	0.046	1	04/24/12 16:20	04/25/12 17:57	7782-49-2	
Silver	ND	mg/L	0.10	0.0080	1	04/24/12 16:20	04/25/12 17:57	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 04/24/12 00:00								
Mercury	ND	ug/L	2.0	1.0	1	04/24/12 16:51	04/25/12 10:04	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 04/24/12 00:00								
1,4-Dichlorobenzene	ND	ug/L	100	4.7	1	04/24/12 00:00	04/25/12 21:54	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	40.0	1	04/24/12 00:00	04/25/12 21:54	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	14.5	1	04/24/12 00:00	04/25/12 21:54	87-68-3	
Hexachlorobenzene	ND	ug/L	100	13.1	1	04/24/12 00:00	04/25/12 21:54	118-74-1	
Hexachloroethane	ND	ug/L	100	15.4	1	04/24/12 00:00	04/25/12 21:54	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	11.7	1	04/24/12 00:00	04/25/12 21:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	12.0	1	04/24/12 00:00	04/25/12 21:54		
Nitrobenzene	ND	ug/L	100	4.5	1	04/24/12 00:00	04/25/12 21:54	98-95-3	
Pentachlorophenol	ND	ug/L	500	15.8	1	04/24/12 00:00	04/25/12 21:54	87-86-5	
Pyridine	ND	ug/L	100	12.8	1	04/24/12 00:00	04/25/12 21:54	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	4.5	1	04/24/12 00:00	04/25/12 21:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	4.3	1	04/24/12 00:00	04/25/12 21:54	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	87	%	42-120		1	04/24/12 00:00	04/25/12 21:54	4165-60-0	
2-Fluorobiphenyl (S)	88	%	43-120		1	04/24/12 00:00	04/25/12 21:54	321-60-8	
Terphenyl-d14 (S)	100	%	38-120		1	04/24/12 00:00	04/25/12 21:54	1718-51-0	
Phenol-d6 (S)	81	%	41-120		1	04/24/12 00:00	04/25/12 21:54	13127-88-3	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119529

Sample: DRUM COMOSITE **Lab ID: 60119529003** Collected: 04/17/12 16:00 Received: 04/17/12 17:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 04/24/12 00:00								
Surrogates									
2-Fluorophenol (S)	77	%	40-120		1	04/24/12 00:00	04/25/12 21:54	367-12-4	
2,4,6-Tribromophenol (S)	102	%	38-126		1	04/24/12 00:00	04/25/12 21:54	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 04/24/12 00:00								
Benzene	ND	ug/L	50.0	0.50	1		04/24/12 18:15	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	5.0	1		04/24/12 18:15	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	0.50	1		04/24/12 18:15	56-23-5	
Chlorobenzene	ND	ug/L	50.0	0.50	1		04/24/12 18:15	108-90-7	
Chloroform	ND	ug/L	200	0.50	1		04/24/12 18:15	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	0.50	1		04/24/12 18:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	0.50	1		04/24/12 18:15	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	0.50	1		04/24/12 18:15	127-18-4	
Trichloroethene	ND	ug/L	50.0	0.50	1		04/24/12 18:15	79-01-6	
Vinyl chloride	ND	ug/L	100	0.50	1		04/24/12 18:15	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	83-120		1		04/24/12 18:15	17060-07-0	
Toluene-d8 (S)	112	%	81-117		1		04/24/12 18:15	2037-26-5	
4-Bromofluorobenzene (S)	101	%	82-121		1		04/24/12 18:15	460-00-4	
Dibromofluoromethane (S)	90	%	85-113		1		04/24/12 18:15	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.2**	%	0.50	0.50	1		04/19/12 00:00		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2								
Sulfide, Reactive	ND	mg/kg	100	12.9	1		04/25/12 15:30		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.1**	Std. Units	0.10	0.10	1		04/24/12 16:40		
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**Negative**				1		04/20/12 12:30		
Flashpoint, Open Cup	Analytical Method: ASTM D92								
Flashpoint	**>210**	deg F			1		04/19/12 11:00		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2								
Cyanide, Reactive	ND	mg/kg	0.025	0.0017	1		04/23/12 10:03		

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119529

Sample: TRIP BLANK **Lab ID: 60119529004** Collected: 04/17/12 00:00 Received: 04/17/12 17:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	20.0	2.4	1		04/25/12 10:35	67-64-1	L3
Benzene	ND	ug/kg	5.0	0.38	1		04/25/12 10:35	71-43-2	
Bromobenzene	ND	ug/kg	5.0	0.30	1		04/25/12 10:35	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	0.67	1		04/25/12 10:35	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	0.24	1		04/25/12 10:35	75-27-4	
Bromoform	ND	ug/kg	5.0	0.31	1		04/25/12 10:35	75-25-2	
Bromomethane	**1.4J**	ug/kg	5.0	0.73	1		04/25/12 10:35	74-83-9	B
2-Butanone (MEK)	ND	ug/kg	10.0	3.1	1		04/25/12 10:35	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	0.42	1		04/25/12 10:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	0.49	1		04/25/12 10:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	0.43	1		04/25/12 10:35	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1.3	1		04/25/12 10:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	0.51	1		04/25/12 10:35	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	0.31	1		04/25/12 10:35	108-90-7	
Chloroethane	ND	ug/kg	5.0	0.57	1		04/25/12 10:35	75-00-3	
Chloroform	ND	ug/kg	5.0	0.39	1		04/25/12 10:35	67-66-3	
Chloromethane	ND	ug/kg	5.0	0.60	1		04/25/12 10:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	0.46	1		04/25/12 10:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	0.40	1		04/25/12 10:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	0.32	1		04/25/12 10:35	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	0.24	1		04/25/12 10:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	0.31	1		04/25/12 10:35	106-93-4	
Dibromomethane	ND	ug/kg	5.0	0.30	1		04/25/12 10:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	0.33	1		04/25/12 10:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	0.34	1		04/25/12 10:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	0.38	1		04/25/12 10:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	0.49	1		04/25/12 10:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	0.50	1		04/25/12 10:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	0.30	1		04/25/12 10:35	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	0.82	1		04/25/12 10:35	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	0.59	1		04/25/12 10:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.5	0.38	1		04/25/12 10:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.5	0.44	1		04/25/12 10:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	0.33	1		04/25/12 10:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	0.31	1		04/25/12 10:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	0.44	1		04/25/12 10:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	0.43	1		04/25/12 10:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	0.40	1		04/25/12 10:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	0.32	1		04/25/12 10:35	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	0.46	1		04/25/12 10:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	0.68	1		04/25/12 10:35	87-68-3	
2-Hexanone	ND	ug/kg	20.0	0.65	1		04/25/12 10:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	0.42	1		04/25/12 10:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	0.48	1		04/25/12 10:35	99-87-6	
Methylene chloride	ND	ug/kg	5.0	0.82	1		04/25/12 10:35	75-09-2	

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ANALYTICAL RESULTS

Project: FAIRFAX I
Pace Project No.: 60119529

Sample: TRIP BLANK **Lab ID: 60119529004** Collected: 04/17/12 00:00 Received: 04/17/12 17:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	0.67	1		04/25/12 10:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	0.34	1		04/25/12 10:35	1634-04-4	
Naphthalene	ND	ug/kg	10.0	0.23	1		04/25/12 10:35	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	0.39	1		04/25/12 10:35	103-65-1	
Styrene	ND	ug/kg	5.0	0.36	1		04/25/12 10:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	0.28	1		04/25/12 10:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	0.23	1		04/25/12 10:35	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	0.49	1		04/25/12 10:35	127-18-4	
Toluene	ND	ug/kg	5.0	0.38	1		04/25/12 10:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	0.24	1		04/25/12 10:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	0.69	1		04/25/12 10:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	0.47	1		04/25/12 10:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	0.28	1		04/25/12 10:35	79-00-5	
Trichloroethene	ND	ug/kg	5.0	0.47	1		04/25/12 10:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	0.53	1		04/25/12 10:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	0.50	1		04/25/12 10:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	0.41	1		04/25/12 10:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	0.40	1		04/25/12 10:35	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	0.65	1		04/25/12 10:35	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1.2	1		04/25/12 10:35	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	110	%	68-129		1		04/25/12 10:35	1868-53-7	
Toluene-d8 (S)	102	%	81-121		1		04/25/12 10:35	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-131		1		04/25/12 10:35	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	77-131		1		04/25/12 10:35	17060-07-0	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: MERP/6203
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 60119529003

METHOD BLANK: 986821 Matrix: Water
Associated Lab Samples: 60119529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	04/25/12 09:44	

LABORATORY CONTROL SAMPLE: 986822

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	15	15.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 986823 986824

Parameter	Units	60119760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	15	15	17.6	17.9	117	119	75-125	2	19	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: MPRP/17798
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 60119529003

METHOD BLANK: 987067 Matrix: Water
Associated Lab Samples: 60119529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.50	04/25/12 11:31	
Barium	mg/L	0.044J	2.5	04/25/12 11:31	
Cadmium	mg/L	0.0042J	0.050	04/25/12 11:31	
Chromium	mg/L	ND	0.10	04/25/12 11:31	
Lead	mg/L	ND	0.50	04/25/12 11:31	
Selenium	mg/L	ND	0.50	04/25/12 11:31	
Silver	mg/L	0.0094J	0.10	04/25/12 11:31	

LABORATORY CONTROL SAMPLE: 987068

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	0.99	99	80-120	
Barium	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	1	1.0	100	80-120	
Chromium	mg/L	1	1.0	102	80-120	
Lead	mg/L	1	1.0	104	80-120	
Selenium	mg/L	1	0.98	98	80-120	
Silver	mg/L	.5	0.49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 987069 987070

Parameter	Units	60119760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	10	10	10.1	10.2	101	102	75-125	1	20	
Barium	mg/L	ND	10	10	11.4	11.4	99	99	75-125	0	20	
Cadmium	mg/L	ND	10	10	10.0	10.1	100	101	75-125	1	20	
Chromium	mg/L	ND	10	10	9.9	10	99	100	75-125	1	20	
Lead	mg/L	ND	10	10	9.8	9.9	97	98	75-125	1	20	
Selenium	mg/L	ND	10	10	10.1	10.2	100	101	75-125	1	20	
Silver	mg/L	ND	5	5	5.0	5.0	100	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: MSV/45146
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 60119529003

METHOD BLANK: 987005 Matrix: Water
Associated Lab Samples: 60119529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	04/24/12 16:39	
1,2-Dichloroethane	ug/L	ND	50.0	04/24/12 16:39	
2-Butanone (MEK)	ug/L	ND	1000	04/24/12 16:39	
Benzene	ug/L	ND	50.0	04/24/12 16:39	
Carbon tetrachloride	ug/L	ND	50.0	04/24/12 16:39	
Chlorobenzene	ug/L	ND	50.0	04/24/12 16:39	
Chloroform	ug/L	ND	200	04/24/12 16:39	
Tetrachloroethene	ug/L	ND	50.0	04/24/12 16:39	
Trichloroethene	ug/L	ND	50.0	04/24/12 16:39	
Vinyl chloride	ug/L	ND	100	04/24/12 16:39	
1,2-Dichloroethane-d4 (S)	%	97	83-120	04/24/12 16:39	
4-Bromofluorobenzene (S)	%	101	82-121	04/24/12 16:39	
Dibromofluoromethane (S)	%	91	85-113	04/24/12 16:39	
Toluene-d8 (S)	%	105	81-117	04/24/12 16:39	

LABORATORY CONTROL SAMPLE: 987006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	200	167	84	67-134	
1,2-Dichloroethane	ug/L	200	184	92	78-123	
2-Butanone (MEK)	ug/L	1000	1240	124	64-125	
Benzene	ug/L	200	180	90	81-120	
Carbon tetrachloride	ug/L	200	179	90	75-130	
Chlorobenzene	ug/L	200	181	91	83-116	
Chloroform	ug/L	200	182J	91	79-117	
Tetrachloroethene	ug/L	200	187	94	81-120	
Trichloroethene	ug/L	200	175	87	81-120	
Vinyl chloride	ug/L	200	175	88	62-134	
1,2-Dichloroethane-d4 (S)	%			99	83-120	
4-Bromofluorobenzene (S)	%			100	82-121	
Dibromofluoromethane (S)	%			95	85-113	
Toluene-d8 (S)	%			102	81-117	

MATRIX SPIKE SAMPLE: 987007

Parameter	Units	60119750001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	200	164	82	50-134	
1,2-Dichloroethane	ug/L	ND	200	172	86	66-126	
2-Butanone (MEK)	ug/L	ND	1000	937J	87	48-121	
Benzene	ug/L	ND	200	169	84	53-130	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

MATRIX SPIKE SAMPLE: 987007

Parameter	Units	60119750001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	ND	200	166	83	46-132	
Chlorobenzene	ug/L	ND	200	186	93	32-139	
Chloroform	ug/L	ND	200	168J	84	61-121	
Tetrachloroethene	ug/L	ND	200	196	98	20-145	
Trichloroethene	ug/L	ND	200	161	81	38-139	
Vinyl chloride	ug/L	ND	200	167	84	36-144	
1,2-Dichloroethane-d4 (S)	%				100	83-120	
4-Bromofluorobenzene (S)	%				99	82-121	
Dibromofluoromethane (S)	%				91	85-113	
Toluene-d8 (S)	%				109	81-117	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: MSV/45121 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60119529001, 60119529002

METHOD BLANK: 986632 Matrix: Solid
Associated Lab Samples: 60119529001, 60119529002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/24/12 09:22	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/24/12 09:22	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/24/12 09:22	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/24/12 09:22	
1,1-Dichloroethane	ug/kg	ND	5.0	04/24/12 09:22	
1,1-Dichloroethene	ug/kg	ND	5.0	04/24/12 09:22	
1,1-Dichloropropene	ug/kg	ND	5.0	04/24/12 09:22	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/24/12 09:22	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/24/12 09:22	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/24/12 09:22	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/24/12 09:22	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	04/24/12 09:22	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/24/12 09:22	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/24/12 09:22	
1,2-Dichloroethane	ug/kg	ND	5.0	04/24/12 09:22	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	04/24/12 09:22	
1,2-Dichloropropane	ug/kg	ND	5.0	04/24/12 09:22	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/24/12 09:22	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/24/12 09:22	
1,3-Dichloropropane	ug/kg	ND	5.0	04/24/12 09:22	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/24/12 09:22	
2,2-Dichloropropane	ug/kg	ND	5.0	04/24/12 09:22	
2-Butanone (MEK)	ug/kg	ND	10.0	04/24/12 09:22	
2-Chlorotoluene	ug/kg	ND	5.0	04/24/12 09:22	
2-Hexanone	ug/kg	ND	20.0	04/24/12 09:22	
4-Chlorotoluene	ug/kg	ND	5.0	04/24/12 09:22	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	04/24/12 09:22	
Acetone	ug/kg	ND	20.0	04/24/12 09:22	
Benzene	ug/kg	ND	5.0	04/24/12 09:22	
Bromobenzene	ug/kg	ND	5.0	04/24/12 09:22	
Bromochloromethane	ug/kg	ND	5.0	04/24/12 09:22	
Bromodichloromethane	ug/kg	ND	5.0	04/24/12 09:22	
Bromoform	ug/kg	ND	5.0	04/24/12 09:22	
Bromomethane	ug/kg	1.8J	5.0	04/24/12 09:22	
Carbon disulfide	ug/kg	ND	5.0	04/24/12 09:22	
Carbon tetrachloride	ug/kg	ND	5.0	04/24/12 09:22	
Chlorobenzene	ug/kg	ND	5.0	04/24/12 09:22	
Chloroethane	ug/kg	ND	5.0	04/24/12 09:22	
Chloroform	ug/kg	ND	5.0	04/24/12 09:22	
Chloromethane	ug/kg	ND	5.0	04/24/12 09:22	
cis-1,2-Dichloroethene	ug/kg	ND	2.5	04/24/12 09:22	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/24/12 09:22	
Dibromochloromethane	ug/kg	ND	5.0	04/24/12 09:22	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

METHOD BLANK: 986632 Matrix: Solid

Associated Lab Samples: 60119529001, 60119529002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	04/24/12 09:22	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/24/12 09:22	
Ethylbenzene	ug/kg	ND	5.0	04/24/12 09:22	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/24/12 09:22	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/24/12 09:22	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/24/12 09:22	
Methylene chloride	ug/kg	ND	5.0	04/24/12 09:22	
n-Butylbenzene	ug/kg	ND	5.0	04/24/12 09:22	
n-Propylbenzene	ug/kg	ND	5.0	04/24/12 09:22	
Naphthalene	ug/kg	ND	10.0	04/24/12 09:22	
p-Isopropyltoluene	ug/kg	ND	5.0	04/24/12 09:22	
sec-Butylbenzene	ug/kg	ND	5.0	04/24/12 09:22	
Styrene	ug/kg	ND	5.0	04/24/12 09:22	
tert-Butylbenzene	ug/kg	ND	5.0	04/24/12 09:22	
Tetrachloroethene	ug/kg	ND	5.0	04/24/12 09:22	
Toluene	ug/kg	ND	5.0	04/24/12 09:22	
trans-1,2-Dichloroethene	ug/kg	ND	2.5	04/24/12 09:22	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/24/12 09:22	
Trichloroethene	ug/kg	ND	5.0	04/24/12 09:22	
Trichlorofluoromethane	ug/kg	ND	5.0	04/24/12 09:22	
Vinyl chloride	ug/kg	ND	5.0	04/24/12 09:22	
Xylene (Total)	ug/kg	ND	5.0	04/24/12 09:22	
1,2-Dichloroethane-d4 (S)	%	115	77-131	04/24/12 09:22	
4-Bromofluorobenzene (S)	%	99	75-131	04/24/12 09:22	
Dibromofluoromethane (S)	%	111	68-129	04/24/12 09:22	
Toluene-d8 (S)	%	101	81-121	04/24/12 09:22	

LABORATORY CONTROL SAMPLE: 986633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	98.2	98	86-124	
1,1,1-Trichloroethane	ug/kg	100	111	111	83-119	
1,1,2,2-Tetrachloroethane	ug/kg	100	82.3	82	83-120	L0
1,1,2-Trichloroethane	ug/kg	100	85.7	86	85-120	
1,1-Dichloroethane	ug/kg	100	99.4	99	82-118	
1,1-Dichloroethene	ug/kg	100	107	107	78-125	
1,1-Dichloropropene	ug/kg	100	104	104	82-122	
1,2,3-Trichlorobenzene	ug/kg	100	88.5	88	81-126	
1,2,3-Trichloropropane	ug/kg	100	84.4	84	82-120	
1,2,4-Trichlorobenzene	ug/kg	100	89.2	89	74-122	
1,2,4-Trimethylbenzene	ug/kg	100	92.1	92	80-120	
1,2-Dibromo-3-chloropropane	ug/kg	100	90.5	90	73-120	
1,2-Dibromoethane (EDB)	ug/kg	100	92.0	92	85-121	
1,2-Dichlorobenzene	ug/kg	100	89.6	90	83-120	
1,2-Dichloroethane	ug/kg	100	91.6	92	80-120	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

LABORATORY CONTROL SAMPLE: 986633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/kg	200	213	106	84-121	
1,2-Dichloropropane	ug/kg	100	89.9	90	85-118	
1,3,5-Trimethylbenzene	ug/kg	100	93.5	94	83-121	
1,3-Dichlorobenzene	ug/kg	100	88.8	89	81-117	
1,3-Dichloropropane	ug/kg	100	84.6	85	84-122	
1,4-Dichlorobenzene	ug/kg	100	91.7	92	80-117	
2,2-Dichloropropane	ug/kg	100	111	111	76-121	
2-Butanone (MEK)	ug/kg	500	503	101	66-123	
2-Chlorotoluene	ug/kg	100	89.3	89	83-120	
2-Hexanone	ug/kg	500	460	92	79-127	
4-Chlorotoluene	ug/kg	100	91.4	91	81-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	448	90	78-122	
Acetone	ug/kg	500	606	121	63-123	
Benzene	ug/kg	100	97.5	98	84-119	
Bromobenzene	ug/kg	100	98.2	98	85-119	
Bromochloromethane	ug/kg	100	103	103	82-123	
Bromodichloromethane	ug/kg	100	90.5	90	84-126	
Bromoform	ug/kg	100	104	104	73-112	
Bromomethane	ug/kg	100	103	103	66-132	
Carbon disulfide	ug/kg	100	100	100	62-150	
Carbon tetrachloride	ug/kg	100	107	107	78-126	
Chlorobenzene	ug/kg	100	94.3	94	83-116	
Chloroethane	ug/kg	100	116	116	79-132	
Chloroform	ug/kg	100	98.7	99	79-115	
Chloromethane	ug/kg	100	76.5	76	61-141	
cis-1,2-Dichloroethene	ug/kg	100	95.8	96	83-120	
cis-1,3-Dichloropropene	ug/kg	100	90.7	91	86-124	
Dibromochloromethane	ug/kg	100	99.0	99	78-117	
Dibromomethane	ug/kg	100	91.1	91	58-117	
Dichlorodifluoromethane	ug/kg	100	71.9	72	32-177	
Ethylbenzene	ug/kg	100	97.4	97	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	99.1	99	77-125	
Isopropylbenzene (Cumene)	ug/kg	100	111	111	72-120	
Methyl-tert-butyl ether	ug/kg	100	95.3	95	80-125	
Methylene chloride	ug/kg	100	102	102	50-150	
n-Butylbenzene	ug/kg	100	102	102	75-132	
n-Propylbenzene	ug/kg	100	92.0	92	79-119	
Naphthalene	ug/kg	100	82.8	83	75-131	
p-Isopropyltoluene	ug/kg	100	97.0	97	79-119	
sec-Butylbenzene	ug/kg	100	98.9	99	82-124	
Styrene	ug/kg	100	99.1	99	82-120	
tert-Butylbenzene	ug/kg	100	95.1	95	82-121	
Tetrachloroethene	ug/kg	100	96.5	97	81-119	
Toluene	ug/kg	100	97.5	97	83-117	
trans-1,2-Dichloroethene	ug/kg	100	117	117	84-123	
trans-1,3-Dichloropropene	ug/kg	100	97.8	98	74-115	
Trichloroethene	ug/kg	100	94.2	94	84-117	
Trichlorofluoromethane	ug/kg	100	105	105	79-127	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

LABORATORY CONTROL SAMPLE: 986633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/kg	100	102	102	67-128	
Xylene (Total)	ug/kg	300	302	101	80-120	
1,2-Dichloroethane-d4 (S)	%			98	77-131	
4-Bromofluorobenzene (S)	%			107	75-131	
Dibromofluoromethane (S)	%			108	68-129	
Toluene-d8 (S)	%			101	81-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 986634 986635

Parameter	Units	60119491002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	105	106	97.4	110	93	104	28-150	12	28	
1,1,1-Trichloroethane	ug/kg	ND	105	106	109	123	103	116	48-139	12	31	
1,1,2,2-Tetrachloroethane	ug/kg	ND	105	106	82.2	89.6	78	85	22-157	9	40	
1,1,2-Trichloroethane	ug/kg	ND	105	106	87.5	97.9	83	92	36-158	11	30	
1,1-Dichloroethane	ug/kg	ND	105	106	101	116	96	109	54-130	14	29	
1,1-Dichloroethene	ug/kg	ND	105	106	108	124	103	117	30-142	14	35	
1,1-Dichloropropene	ug/kg	ND	105	106	105	121	99	114	37-145	14	33	
1,2,3-Trichlorobenzene	ug/kg	ND	105	106	81.0	88.9	77	84	10-143	9	33	
1,2,3-Trichloropropane	ug/kg	ND	105	106	89.3	95.8	85	91	31-158	7	34	
1,2,4-Trichlorobenzene	ug/kg	ND	105	106	78.7	87.0	75	82	10-134	10	34	
1,2,4-Trimethylbenzene	ug/kg	ND	105	106	85.3	96.7	81	91	29-130	13	35	
1,2-Dibromo-3-chloropropane	ug/kg	ND	105	106	87.4	94.7	83	89	23-135	8	38	
1,2-Dibromoethane (EDB)	ug/kg	ND	105	106	94.1	103	89	97	32-137	9	33	
1,2-Dichlorobenzene	ug/kg	ND	105	106	84.6	95.3	80	90	10-135	12	35	
1,2-Dichloroethane	ug/kg	ND	105	106	95.0	120	90	113	40-138	23	30	
1,2-Dichloroethene (Total)	ug/kg	ND	211	212	214	244	102	115	43-140	13	26	
1,2-Dichloropropane	ug/kg	ND	105	106	91.0	104	86	98	43-141	13	33	
1,3,5-Trimethylbenzene	ug/kg	ND	105	106	86.5	98.3	82	93	25-139	13	37	
1,3-Dichlorobenzene	ug/kg	ND	105	106	81.4	92.5	77	87	14-130	13	39	
1,3-Dichloropropane	ug/kg	ND	105	106	87.2	95.8	83	91	37-142	9	28	
1,4-Dichlorobenzene	ug/kg	ND	105	106	83.9	95.1	80	90	11-128	13	37	
2,2-Dichloropropane	ug/kg	ND	105	106	107	121	102	114	40-141	12	38	
2-Butanone (MEK)	ug/kg	ND	526	529	578	600	110	113	22-149	4	37	
2-Chlorotoluene	ug/kg	ND	105	106	84.6	95.7	80	90	26-141	12	36	
2-Hexanone	ug/kg	ND	526	529	509	558	97	105	25-145	9	39	
4-Chlorotoluene	ug/kg	ND	105	106	85.7	96.4	81	91	21-134	12	34	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	526	529	445	490	84	92	22-145	10	34	
Acetone	ug/kg	ND	526	529	685	743	130	140	15-153	8	38	
Benzene	ug/kg	ND	105	106	98.4	120	93	113	28-145	20	35	
Bromobenzene	ug/kg	ND	105	106	93.1	106	88	100	16-143	13	33	
Bromochloromethane	ug/kg	ND	105	106	110	122	104	115	45-133	11	32	
Bromodichloromethane	ug/kg	ND	105	106	90.4	104	86	98	36-145	14	29	
Bromoform	ug/kg	ND	105	106	102	113	97	107	20-140	11	33	
Bromomethane	ug/kg	ND	105	106	116	138	108	129	10-141	18	28	
Carbon disulfide	ug/kg	ND	105	106	104	120	99	113	21-141	14	30	
Carbon tetrachloride	ug/kg	ND	105	106	107	125	101	118	35-147	16	35	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 986634 986635

Parameter	Units	60119491002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/kg	ND	105	106	91.7	104	87	99	15-139	13	39	
Chloroethane	ug/kg	ND	105	106	123	142	117	134	20-138	14	39	
Chloroform	ug/kg	ND	105	106	100	114	95	108	47-135	13	30	
Chloromethane	ug/kg	ND	105	106	83.7	103	80	97	17-132	20	36	
cis-1,2-Dichloroethene	ug/kg	ND	105	106	97.6	111	93	105	35-147	13	34	
cis-1,3-Dichloropropene	ug/kg	ND	105	106	90.4	103	86	98	13-148	13	35	
Dibromochloromethane	ug/kg	ND	105	106	99.2	112	94	105	24-150	12	28	
Dibromomethane	ug/kg	ND	105	106	96.2	106	91	100	37-140	10	30	
Dichlorodifluoromethane	ug/kg	ND	105	106	95.1	106	90	100	10-156	11	37	
Ethylbenzene	ug/kg	ND	105	106	92.0	104	87	98	20-141	12	39	
Hexachloro-1,3-butadiene	ug/kg	ND	105	106	80.9	87.6	77	83	10-140	8	35	
Isopropylbenzene (Cumene)	ug/kg	ND	105	106	101	115	96	109	21-138	13	34	
Methyl-tert-butyl ether	ug/kg	ND	105	106	101	113	96	107	31-142	11	38	
Methylene chloride	ug/kg	ND	105	106	108	123	103	116	32-137	13	30	
n-Butylbenzene	ug/kg	ND	105	106	87.0	96.6	83	91	10-144	10	37	
n-Propylbenzene	ug/kg	ND	105	106	83.9	95.4	80	90	21-150	13	36	
Naphthalene	ug/kg	ND	105	106	81.4	86.3	77	82	20-160	6	44	
p-Isopropyltoluene	ug/kg	ND	105	106	85.5	95.6	81	90	12-146	11	38	
sec-Butylbenzene	ug/kg	ND	105	106	88.0	99.4	84	94	21-145	12	39	
Styrene	ug/kg	ND	105	106	94.0	108	89	102	9-153	13	34	
tert-Butylbenzene	ug/kg	ND	105	106	89.0	100	85	95	20-144	12	37	
Tetrachloroethene	ug/kg	ND	105	106	87.6	101	83	95	25-154	14	34	
Toluene	ug/kg	ND	105	106	93.2	106	89	100	19-148	13	37	
trans-1,2-Dichloroethene	ug/kg	ND	105	106	116	133	110	125	41-139	13	34	
trans-1,3-Dichloropropene	ug/kg	ND	105	106	97.0	109	92	103	11-140	12	35	
Trichloroethene	ug/kg	ND	105	106	93.0	106	88	100	25-156	13	32	
Trichlorofluoromethane	ug/kg	ND	105	106	108	121	103	115	26-145	12	34	
Vinyl chloride	ug/kg	ND	105	106	117	134	111	127	27-166	14	36	
Xylene (Total)	ug/kg	ND	315	318	281	321	89	101	10-140	13	39	
1,2-Dichloroethane-d4 (S)	%						98	109	77-131			
4-Bromofluorobenzene (S)	%						106	106	75-131			
Dibromofluoromethane (S)	%						109	107	68-129			
Toluene-d8 (S)	%						101	100	81-121			

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: MSV/45155
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60119529004

METHOD BLANK: 987304
Matrix: Solid
Associated Lab Samples: 60119529004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/25/12 10:20	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/25/12 10:20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/25/12 10:20	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/25/12 10:20	
1,1-Dichloroethane	ug/kg	ND	5.0	04/25/12 10:20	
1,1-Dichloroethene	ug/kg	ND	5.0	04/25/12 10:20	
1,1-Dichloropropene	ug/kg	ND	5.0	04/25/12 10:20	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/25/12 10:20	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/25/12 10:20	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/25/12 10:20	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/25/12 10:20	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	04/25/12 10:20	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/25/12 10:20	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/25/12 10:20	
1,2-Dichloroethane	ug/kg	ND	5.0	04/25/12 10:20	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	04/25/12 10:20	
1,2-Dichloropropane	ug/kg	ND	5.0	04/25/12 10:20	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/25/12 10:20	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/25/12 10:20	
1,3-Dichloropropane	ug/kg	ND	5.0	04/25/12 10:20	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/25/12 10:20	
2,2-Dichloropropane	ug/kg	ND	5.0	04/25/12 10:20	
2-Butanone (MEK)	ug/kg	ND	10.0	04/25/12 10:20	
2-Chlorotoluene	ug/kg	ND	5.0	04/25/12 10:20	
2-Hexanone	ug/kg	ND	20.0	04/25/12 10:20	
4-Chlorotoluene	ug/kg	ND	5.0	04/25/12 10:20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	04/25/12 10:20	
Acetone	ug/kg	ND	20.0	04/25/12 10:20	
Benzene	ug/kg	ND	5.0	04/25/12 10:20	
Bromobenzene	ug/kg	ND	5.0	04/25/12 10:20	
Bromochloromethane	ug/kg	ND	5.0	04/25/12 10:20	
Bromodichloromethane	ug/kg	ND	5.0	04/25/12 10:20	
Bromoform	ug/kg	ND	5.0	04/25/12 10:20	
Bromomethane	ug/kg	1.1J	5.0	04/25/12 10:20	
Carbon disulfide	ug/kg	ND	5.0	04/25/12 10:20	
Carbon tetrachloride	ug/kg	ND	5.0	04/25/12 10:20	
Chlorobenzene	ug/kg	ND	5.0	04/25/12 10:20	
Chloroethane	ug/kg	ND	5.0	04/25/12 10:20	
Chloroform	ug/kg	ND	5.0	04/25/12 10:20	
Chloromethane	ug/kg	ND	5.0	04/25/12 10:20	
cis-1,2-Dichloroethene	ug/kg	ND	2.5	04/25/12 10:20	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/25/12 10:20	
Dibromochloromethane	ug/kg	ND	5.0	04/25/12 10:20	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

METHOD BLANK: 987304 Matrix: Solid

Associated Lab Samples: 60119529004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	04/25/12 10:20	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/25/12 10:20	
Ethylbenzene	ug/kg	ND	5.0	04/25/12 10:20	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/25/12 10:20	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/25/12 10:20	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/25/12 10:20	
Methylene chloride	ug/kg	ND	5.0	04/25/12 10:20	
n-Butylbenzene	ug/kg	ND	5.0	04/25/12 10:20	
n-Propylbenzene	ug/kg	ND	5.0	04/25/12 10:20	
Naphthalene	ug/kg	ND	10.0	04/25/12 10:20	
p-Isopropyltoluene	ug/kg	ND	5.0	04/25/12 10:20	
sec-Butylbenzene	ug/kg	ND	5.0	04/25/12 10:20	
Styrene	ug/kg	ND	5.0	04/25/12 10:20	
tert-Butylbenzene	ug/kg	ND	5.0	04/25/12 10:20	
Tetrachloroethene	ug/kg	ND	5.0	04/25/12 10:20	
Toluene	ug/kg	ND	5.0	04/25/12 10:20	
trans-1,2-Dichloroethene	ug/kg	ND	2.5	04/25/12 10:20	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/25/12 10:20	
Trichloroethene	ug/kg	ND	5.0	04/25/12 10:20	
Trichlorofluoromethane	ug/kg	ND	5.0	04/25/12 10:20	
Vinyl chloride	ug/kg	ND	5.0	04/25/12 10:20	
Xylene (Total)	ug/kg	ND	5.0	04/25/12 10:20	
1,2-Dichloroethane-d4 (S)	%	101	77-131	04/25/12 10:20	
4-Bromofluorobenzene (S)	%	101	75-131	04/25/12 10:20	
Dibromofluoromethane (S)	%	104	68-129	04/25/12 10:20	
Toluene-d8 (S)	%	102	81-121	04/25/12 10:20	

LABORATORY CONTROL SAMPLE: 987305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	102	102	86-124	
1,1,1-Trichloroethane	ug/kg	100	110	110	83-119	
1,1,2,2-Tetrachloroethane	ug/kg	100	82.8	83	83-120	
1,1,2-Trichloroethane	ug/kg	100	88.3	88	85-120	
1,1-Dichloroethane	ug/kg	100	98.1	98	82-118	
1,1-Dichloroethene	ug/kg	100	106	106	78-125	
1,1-Dichloropropene	ug/kg	100	111	111	82-122	
1,2,3-Trichlorobenzene	ug/kg	100	94.3	94	81-126	
1,2,3-Trichloropropane	ug/kg	100	85.7	86	82-120	
1,2,4-Trichlorobenzene	ug/kg	100	97.0	97	74-122	
1,2,4-Trimethylbenzene	ug/kg	100	95.7	96	80-120	
1,2-Dibromo-3-chloropropane	ug/kg	100	88.8	89	73-120	
1,2-Dibromoethane (EDB)	ug/kg	100	93.2	93	85-121	
1,2-Dichlorobenzene	ug/kg	100	92.8	93	83-120	
1,2-Dichloroethane	ug/kg	100	92.4	92	80-120	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

LABORATORY CONTROL SAMPLE: 987305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/kg	200	209	105	84-121	
1,2-Dichloropropane	ug/kg	100	93.3	93	85-118	
1,3,5-Trimethylbenzene	ug/kg	100	97.1	97	83-121	
1,3-Dichlorobenzene	ug/kg	100	92.8	93	81-117	
1,3-Dichloropropane	ug/kg	100	87.3	87	84-122	
1,4-Dichlorobenzene	ug/kg	100	95.5	95	80-117	
2,2-Dichloropropane	ug/kg	100	109	109	76-121	
2-Butanone (MEK)	ug/kg	500	556	111	66-123	
2-Chlorotoluene	ug/kg	100	91.8	92	83-120	
2-Hexanone	ug/kg	500	524	105	79-127	
4-Chlorotoluene	ug/kg	100	94.5	94	81-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	442	88	78-122	
Acetone	ug/kg	500	726	145	63-123	L0
Benzene	ug/kg	100	99.0	99	84-119	
Bromobenzene	ug/kg	100	98.6	99	85-119	
Bromochloromethane	ug/kg	100	104	104	82-123	
Bromodichloromethane	ug/kg	100	90.8	91	84-126	
Bromoform	ug/kg	100	102	102	73-112	
Bromomethane	ug/kg	100	103	103	66-132	
Carbon disulfide	ug/kg	100	98.2	98	62-150	
Carbon tetrachloride	ug/kg	100	114	114	78-126	
Chlorobenzene	ug/kg	100	98.2	98	83-116	
Chloroethane	ug/kg	100	113	113	79-132	
Chloroform	ug/kg	100	97.2	97	79-115	
Chloromethane	ug/kg	100	70.6	71	61-141	
cis-1,2-Dichloroethene	ug/kg	100	94.8	95	83-120	
cis-1,3-Dichloropropene	ug/kg	100	91.0	91	86-124	
Dibromochloromethane	ug/kg	100	100	100	78-117	
Dibromomethane	ug/kg	100	91.8	92	58-117	
Dichlorodifluoromethane	ug/kg	100	68.3	68	32-177	
Ethylbenzene	ug/kg	100	101	101	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	107	107	77-125	
Isopropylbenzene (Cumene)	ug/kg	100	113	113	72-120	
Methyl-tert-butyl ether	ug/kg	100	91.5	92	80-125	
Methylene chloride	ug/kg	100	98.4	98	50-150	
n-Butylbenzene	ug/kg	100	106	106	75-132	
n-Propylbenzene	ug/kg	100	97.0	97	79-119	
Naphthalene	ug/kg	100	86.1	86	75-131	
p-Isopropyltoluene	ug/kg	100	101	101	79-119	
sec-Butylbenzene	ug/kg	100	102	102	82-124	
Styrene	ug/kg	100	101	101	82-120	
tert-Butylbenzene	ug/kg	100	100	100	82-121	
Tetrachloroethene	ug/kg	100	102	102	81-119	
Toluene	ug/kg	100	97.0	97	83-117	
trans-1,2-Dichloroethene	ug/kg	100	114	114	84-123	
trans-1,3-Dichloropropene	ug/kg	100	98.8	99	74-115	
Trichloroethene	ug/kg	100	95.6	96	84-117	
Trichlorofluoromethane	ug/kg	100	102	102	79-127	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

LABORATORY CONTROL SAMPLE: 987305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/kg	100	99.8	100	67-128	
Xylene (Total)	ug/kg	300	308	103	80-120	
1,2-Dichloroethane-d4 (S)	%			98	77-131	
4-Bromofluorobenzene (S)	%			105	75-131	
Dibromofluoromethane (S)	%			104	68-129	
Toluene-d8 (S)	%			99	81-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 987306 987307

Parameter	Units	60119535001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	132	132	113	114	86	86	28-150	1	28	
1,1,1-Trichloroethane	ug/kg	ND	132	132	127	131	96	99	48-139	3	31	
1,1,2,2-Tetrachloroethane	ug/kg	ND	132	132	106	99.2	80	75	22-157	7	40	
1,1,2-Trichloroethane	ug/kg	ND	132	132	110	103	84	78	36-158	6	30	
1,1-Dichloroethane	ug/kg	ND	132	132	120	123	91	93	54-130	3	29	
1,1-Dichloroethene	ug/kg	ND	132	132	128	138	97	104	30-142	7	35	
1,1-Dichloropropene	ug/kg	ND	132	132	119	130	90	99	37-145	9	33	
1,2,3-Trichlorobenzene	ug/kg	ND	132	132	102	96.5	78	73	10-143	6	33	
1,2,3-Trichloropropane	ug/kg	ND	132	132	112	103	85	78	31-158	9	34	
1,2,4-Trichlorobenzene	ug/kg	ND	132	132	100	98.1	76	74	10-134	2	34	
1,2,4-Trimethylbenzene	ug/kg	ND	132	132	97.8	101	74	77	29-130	4	35	
1,2-Dibromo-3-chloropropane	ug/kg	ND	132	132	110	104	83	78	23-135	6	38	
1,2-Dibromoethane (EDB)	ug/kg	ND	132	132	117	111	89	84	32-137	6	33	
1,2-Dichlorobenzene	ug/kg	ND	132	132	101	99.6	77	75	10-135	2	35	
1,2-Dichloroethane	ug/kg	ND	132	132	122	116	92	88	40-138	5	30	
1,2-Dichloroethene (Total)	ug/kg	ND	263	265	254	260	96	98	43-140	2	26	
1,2-Dichloropropane	ug/kg	ND	132	132	112	112	85	85	43-141	1	33	
1,3,5-Trimethylbenzene	ug/kg	ND	132	132	98.8	103	75	78	25-139	4	37	
1,3-Dichlorobenzene	ug/kg	ND	132	132	97.6	97.0	74	73	14-130	1	39	
1,3-Dichloropropane	ug/kg	ND	132	132	108	104	82	78	37-142	5	28	
1,4-Dichlorobenzene	ug/kg	ND	132	132	102	101	77	76	11-128	1	37	
2,2-Dichloropropane	ug/kg	ND	132	132	128	132	97	100	40-141	3	38	
2-Butanone (MEK)	ug/kg	ND	660	661	841	747	127	113	22-149	12	37	
2-Chlorotoluene	ug/kg	ND	132	132	98.1	102	74	77	26-141	4	36	
2-Hexanone	ug/kg	ND	660	661	719	631	109	95	25-145	13	39	
4-Chlorotoluene	ug/kg	ND	132	132	99.5	101	75	76	21-134	1	34	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	660	661	607	552	92	83	22-145	9	34	
Acetone	ug/kg	ND	660	661	1180	1040	179	157	15-153	13	38	M0
Benzene	ug/kg	ND	132	132	117	119	88	90	28-145	2	35	
Bromobenzene	ug/kg	ND	132	132	110	109	84	82	16-143	1	33	
Bromochloromethane	ug/kg	ND	132	132	136	133	103	100	45-133	3	32	
Bromodichloromethane	ug/kg	ND	132	132	112	110	85	83	36-145	2	29	
Bromoform	ug/kg	ND	132	132	127	120	96	91	20-140	6	33	
Bromomethane	ug/kg	ND	132	132	144	149	107	111	10-141	4	28	
Carbon disulfide	ug/kg	ND	132	132	125	134	95	101	21-141	7	30	
Carbon tetrachloride	ug/kg	ND	132	132	120	130	91	99	35-147	8	35	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 987306 987307

Parameter	Units	60119535001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/kg	ND	132	132	108	110	82	83	15-139	2	39	
Chloroethane	ug/kg	ND	132	132	148	159	112	120	20-138	7	39	
Chloroform	ug/kg	ND	132	132	118	119	89	90	47-135	1	30	
Chloromethane	ug/kg	ND	132	132	102	114	77	86	17-132	11	36	
cis-1,2-Dichloroethene	ug/kg	ND	132	132	116	117	88	88	35-147	0	34	
cis-1,3-Dichloropropene	ug/kg	ND	132	132	112	111	85	84	13-148	2	35	
Dibromochloromethane	ug/kg	ND	132	132	121	118	92	89	24-150	3	28	
Dibromomethane	ug/kg	ND	132	132	123	115	93	87	37-140	7	30	
Dichlorodifluoromethane	ug/kg	ND	132	132	116	125	88	95	10-156	8	37	
Ethylbenzene	ug/kg	ND	132	132	106	111	80	84	20-141	4	39	
Hexachloro-1,3-butadiene	ug/kg	ND	132	132	96.4	98.0	73	74	10-140	2	35	
Isopropylbenzene (Cumene)	ug/kg	ND	132	132	115	120	87	91	21-138	4	34	
Methyl-tert-butyl ether	ug/kg	ND	132	132	127	119	96	90	31-142	7	38	
Methylene chloride	ug/kg	ND	132	132	130	133	99	100	32-137	2	30	
n-Butylbenzene	ug/kg	ND	132	132	103	107	78	81	10-144	4	37	
n-Propylbenzene	ug/kg	ND	132	132	97.6	103	74	78	21-150	6	36	
Naphthalene	ug/kg	ND	132	132	105	95.5	80	72	20-160	10	44	
p-Isopropyltoluene	ug/kg	ND	132	132	98.5	104	75	79	12-146	6	38	
sec-Butylbenzene	ug/kg	ND	132	132	100	107	76	81	21-145	7	39	
Styrene	ug/kg	ND	132	132	110	111	83	84	9-153	1	34	
tert-Butylbenzene	ug/kg	ND	132	132	99.8	105	76	79	20-144	5	37	
Tetrachloroethene	ug/kg	ND	132	132	105	113	79	85	25-154	7	34	
Toluene	ug/kg	ND	132	132	110	114	83	86	19-148	4	37	
trans-1,2-Dichloroethene	ug/kg	ND	132	132	138	144	104	109	41-139	4	34	
trans-1,3-Dichloropropene	ug/kg	ND	132	132	119	116	90	87	11-140	3	35	
Trichloroethene	ug/kg	ND	132	132	108	115	82	87	25-156	6	32	
Trichlorofluoromethane	ug/kg	ND	132	132	130	136	98	103	26-145	5	34	
Vinyl chloride	ug/kg	ND	132	132	140	153	106	116	27-166	9	36	
Xylene (Total)	ug/kg	ND	397	397	322	335	81	85	10-140	4	39	
1,2-Dichloroethane-d4 (S)	%						109	106	77-131			
4-Bromofluorobenzene (S)	%						106	106	75-131			
Dibromofluoromethane (S)	%						112	109	68-129			
Toluene-d8 (S)	%						100	102	81-121			

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: OEXT/32892
QC Batch Method: EPA 3546
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 60119529003

METHOD BLANK: 986760 Matrix: Solid
Associated Lab Samples: 60119529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.6	04/26/12 18:39	
PCB-1221 (Aroclor 1221)	ug/kg	ND	65.2	04/26/12 18:39	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.6	04/26/12 18:39	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.6	04/26/12 18:39	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.6	04/26/12 18:39	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.6	04/26/12 18:39	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.6	04/26/12 18:39	
Decachlorobiphenyl (S)	%	93	15-120	04/26/12 18:39	
Tetrachloro-m-xylene (S)	%	89	35-124	04/26/12 18:39	

LABORATORY CONTROL SAMPLE: 986761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	165	133	80	64-114	
PCB-1260 (Aroclor 1260)	ug/kg	165	164	99	54-119	
Decachlorobiphenyl (S)	%			91	15-120	
Tetrachloro-m-xylene (S)	%			92	35-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 986762 986763

Parameter	Units	60119793001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	190	192	198	197	103	103	29-150	0	29	
PCB-1260 (Aroclor 1260)	ug/kg	ND	190	192	188	187	99	98	37-126	1	29	
Decachlorobiphenyl (S)	%						87	87	15-120			
Tetrachloro-m-xylene (S)	%						90	89	35-124			

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: OEXT/32893
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 60119529003

METHOD BLANK: 986851
Matrix: Water
Associated Lab Samples: 60119529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	04/25/12 11:04	
2,4,5-Trichlorophenol	ug/L	ND	500	04/25/12 11:04	
2,4,6-Trichlorophenol	ug/L	ND	100	04/25/12 11:04	
2,4-Dinitrotoluene	ug/L	ND	100	04/25/12 11:04	
2-Methylphenol(o-Cresol)	ug/L	ND	100	04/25/12 11:04	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	04/25/12 11:04	
Hexachloro-1,3-butadiene	ug/L	ND	100	04/25/12 11:04	
Hexachlorobenzene	ug/L	ND	100	04/25/12 11:04	
Hexachloroethane	ug/L	ND	100	04/25/12 11:04	
Nitrobenzene	ug/L	ND	100	04/25/12 11:04	
Pentachlorophenol	ug/L	ND	500	04/25/12 11:04	
Pyridine	ug/L	ND	100	04/25/12 11:04	
2,4,6-Tribromophenol (S)	%	89	38-126	04/25/12 11:04	
2-Fluorobiphenyl (S)	%	76	43-120	04/25/12 11:04	
2-Fluorophenol (S)	%	74	40-120	04/25/12 11:04	
Nitrobenzene-d5 (S)	%	72	42-120	04/25/12 11:04	
Phenol-d6 (S)	%	71	41-120	04/25/12 11:04	
Terphenyl-d14 (S)	%	83	38-120	04/25/12 11:04	

LABORATORY CONTROL SAMPLE: 986852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	373	75	42-120	
2,4,5-Trichlorophenol	ug/L	500	432J	86	51-120	
2,4,6-Trichlorophenol	ug/L	500	451	90	50-120	
2,4-Dinitrotoluene	ug/L	500	429	86	53-120	
2-Methylphenol(o-Cresol)	ug/L	500	398	80	46-120	
3&4-Methylphenol(m&p Cresol)	ug/L	500	397	79	35-120	
Hexachloro-1,3-butadiene	ug/L	500	389	78	43-120	
Hexachlorobenzene	ug/L	500	440	88	51-120	
Hexachloroethane	ug/L	500	349	70	38-120	
Nitrobenzene	ug/L	500	403	81	47-120	
Pentachlorophenol	ug/L	500	471J	94	39-123	
Pyridine	ug/L	500	353J	71	1-120	
2,4,6-Tribromophenol (S)	%			95	38-126	
2-Fluorobiphenyl (S)	%			80	43-120	
2-Fluorophenol (S)	%			78	40-120	
Nitrobenzene-d5 (S)	%			77	42-120	
Phenol-d6 (S)	%			76	41-120	
Terphenyl-d14 (S)	%			87	38-120	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

MATRIX SPIKE SAMPLE: 986853

Parameter	Units	60119750001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	500	370	74	46-120	
2,4,5-Trichlorophenol	ug/L	ND	500	479J	96	38-120	
2,4,6-Trichlorophenol	ug/L	ND	500	500	100	42-120	
2,4-Dinitrotoluene	ug/L	ND	500	448	90	45-120	
2-Methylphenol(o-Cresol)	ug/L	ND	500	402	80	42-120	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	500	413	83	20-125	
Hexachloro-1,3-butadiene	ug/L	ND	500	386	77	47-120	
Hexachlorobenzene	ug/L	ND	500	313	63	49-120	
Hexachloroethane	ug/L	ND	500	340	68	39-120	
Nitrobenzene	ug/L	ND	500	400	80	29-127	
Pentachlorophenol	ug/L	ND	500	591	118	36-130	
Pyridine	ug/L	ND	500	48.7J	10	1-120	
2,4,6-Tribromophenol (S)	%				112	38-126	
2-Fluorobiphenyl (S)	%				81	43-120	
2-Fluorophenol (S)	%				79	40-120	
Nitrobenzene-d5 (S)	%				75	42-120	
Phenol-d6 (S)	%				79	41-120	
Terphenyl-d14 (S)	%				92	38-120	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: PMST/7172 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 60119529001, 60119529002, 60119529003

METHOD BLANK: 984002 Matrix: Solid
Associated Lab Samples: 60119529001, 60119529002, 60119529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	04/19/12 00:00	

SAMPLE DUPLICATE: 984003

Parameter	Units	60119507001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	55.6	53.1	4	20	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: WET/34624 Analysis Method: SW-846 7.3.4.2
QC Batch Method: SW-846 7.3.4.2 Analysis Description: Reactive Sulfide
Associated Lab Samples: 60119529003

METHOD BLANK: 984082 Matrix: Solid
Associated Lab Samples: 60119529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	ND	100	04/25/12 15:30	

LABORATORY CONTROL SAMPLE: 984083

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	200	186	93	77-110	

MATRIX SPIKE SAMPLE: 984084

Parameter	Units	10188796001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	ND	500	455	91	67-116	

SAMPLE DUPLICATE: 984085

Parameter	Units	60119529003 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: WET/34704
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 60119529003

SAMPLE DUPLICATE: 986790

Parameter	Units	60119545001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.7	8.7	0	3	

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: WET/34651
QC Batch Method: EPA 9095
Analysis Method: EPA 9095
Analysis Description: 9095 PAINT FILTER LIQUID TEST
Associated Lab Samples: 60119529003

SAMPLE DUPLICATE: 985073

Parameter	Units	60119699001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids		Negative	Negative			

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QUALITY CONTROL DATA

Project: FAIRFAX I
Pace Project No.: 60119529

QC Batch: WETA/19942 Analysis Method: SW-846 7.3.3.2
QC Batch Method: SW-846 7.3.3.2 Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 60119529003

METHOD BLANK: 986186 Matrix: Solid
Associated Lab Samples: 60119529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	ND	0.025	04/23/12 09:59	

LABORATORY CONTROL SAMPLE: 986187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	.51	0.47	93	71-123	

MATRIX SPIKE SAMPLE: 986188

Parameter	Units	60119750001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	ND	.51	0.47	93	57-132	

SAMPLE DUPLICATE: 986189

Parameter	Units	60119529003 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	0.0075J		23	

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QUALIFIERS

Project: FAIRFAX I
Pace Project No.: 60119529

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRFAX I
Pace Project No.: 60119529

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60119529003	**DRUM COMOSITE**	EPA 3546	OEXT/32892	EPA 8082	GCSV/12313
60119529003	**DRUM COMOSITE**	EPA 3010	MPRP/17798	EPA 6010	ICP/15057
60119529003	**DRUM COMOSITE**	EPA 7470	MERP/6203	EPA 7470	MERC/6166
60119529003	**DRUM COMOSITE**	EPA 3510	OEXT/32893	EPA 8270	MSSV/10309
60119529003	**DRUM COMOSITE**	EPA 8260	MSV/45146		
60119529001	**SB119A 18-20**	EPA 8260	MSV/45121		
60119529002	**SB119B 18-20**	EPA 8260	MSV/45121		
60119529004	**TRIP BLANK**	EPA 8260	MSV/45155		
60119529001	**SB119A 18-20**	ASTM D2974-87	PMST/7172		
60119529002	**SB119B 18-20**	ASTM D2974-87	PMST/7172		
60119529003	**DRUM COMOSITE**	ASTM D2974-87	PMST/7172		
60119529003	**DRUM COMOSITE**	SW-846 7.3.4.2	WET/34624		
60119529003	**DRUM COMOSITE**	EPA 9045	WET/34704		
60119529003	**DRUM COMOSITE**	EPA 9095	WET/34651		
60119529003	**DRUM COMOSITE**	ASTM D92	WET/34632		
60119529003	**DRUM COMOSITE**	SW-846 7.3.3.2	WETA/19942		

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St. Rose, LA 70087
(504) 469-0333

May 01, 2012

Angie Brown
Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219

RE: Project 20137986
Project ID: 60119529 / RACER

Dear Angie Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on April 17, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karen Brown
karen.brown@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Project: 20137986

Client: PASI Kansas

Project ID: 60119529 / RACER

Washington Department of Ecology C2078

Oregon Environmental Laboratory Accreditation - LA200001

U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119

Pennsylvania Dept. of Env Protection (NELAC) 68-04202

Texas Commission on Env. Quality (NELAC) T104704405-09-TX

Kansas Department of Health and Environment (NELAC) E-10266

Florida Department of Health (NELAC) E87595

Oklahoma Department of Environmental Quality - 2010-139

Illinois Environmental Protection Agency - 0025721

California Env. Lab Accreditation Program Branch - 11277CA

Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

REPORT OF LABORATORY ANALYSIS

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Sample Cross Reference

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(504) 469-0333

Project: 20137986

Client: PASI Kansas

Project ID: 60119529 / RACER

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
DRUM COMPOSITE	20982036	Other	17-Apr-12 16:00	17-Apr-12 17:00

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(504) 469-0333

Project: 20137986

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.

QC Cross Reference

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St. Rose, LA 70087
(504) 469-0333

Project: 20137986

Analytical Method	Batch	Sample used for QC
EPA 8081	182939	Project sample DRUM COMPOSITE
EPA 8151	182940	Project sample DRUM COMPOSITE

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

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Sample Results

Client: PASI Kansas

Client ID: DRUM COMPOSITE
Project: 20137986
Project ID: 60119529 / RACER
Site: None
Lab ID: 20982036 (TCLP)
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: TCLP
Batch: 182939
Method: EPA 8081 (TCLP)
8081 Pests TCLP
Collected: 17-Apr-12
Received: 17-Apr-12
Prepared: 26-Apr-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.000500	0.400	30-Apr-12 12:31	TWB
57-74-9	Chlordane	1	ND		0.00500	0.00500	0.0300	30-Apr-12 12:31	TWB
72-20-8	Endrin	1	ND		0.00100	0.00100	0.0200	30-Apr-12 12:31	TWB
76-44-8	Heptachlor	1	ND		0.000500	0.000500	0.00800	30-Apr-12 12:31	TWB
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.000500	0.00800	30-Apr-12 12:31	TWB
72-43-5	Methoxychlor	1	ND		0.00500	0.00500	10.0	30-Apr-12 12:31	TWB
8001-35-2	Toxaphene	1	ND		0.0200	0.0200	0.500	30-Apr-12 12:31	TWB

7 compound(s) reported

Protocol 5/1/2012 16:39:58

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

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Client: PASI Kansas

Client ID: DRUM COMPOSITE
Project: 20137986
Project ID: 60119529 / RACER
Site: None
Lab ID: 20982036 (TCLP)
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: TCLP
Batch: 182940
Method: EPA 8151 (TCLP)
8151 Herbs TCLP
Collected: 17-Apr-12
Received: 17-Apr-12
Prepared: 26-Apr-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	0.0200	10.0	30-Apr-12 17:38	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	0.0200	1.00	30-Apr-12 17:38	SPP1

2 compound(s) reported

Protocol 5/1/2012 16:39:58

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Surrogate Recovery

Batch: 182939 **Project:** 20137986

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20982073	182939 BLANK 1		76	85	71	71				
20982074	182939 LCS 1		76	84	54	60				
20982036	DRUM COMPOSITE		71	80	38	40				
20982075	DRUM COMPOSITE MS 1		64	72	51	44				
20982076	DRUM COMPOSITE MSD 1		71	74	49	54				
	QC limits:		10-137	10-137	18-119	18-119				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Surrogate Recovery

Batch: 182940 **Project:** 20137986

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20982077	182940 BLANK 1		73	76						
20982078	182940 LCS 1		81	62						
20982036	DRUM COMPOSITE		73	75						
20982079	DRUM COMPOSITE MS 1		76	61						
20982080	DRUM COMPOSITE MSD 1		76	74						
	QC limits:		10-166	10-166						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Quality Control

Batch: 182939 **Project:** 20137986 **LCS:** 20982074 27-Apr-12 13:06

Method: TCLP GC Semivolatile Organics **MS:** 20982075 30-Apr-12 12:43

Units: mg/L **MSD:** 20982076 30-Apr-12 12:56

Original for MS: Client Sample 20982036

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
gamma-BHC (Lindane)	0.00500	0.00438	88	0.00500		0.00409	0.00385	82	77	6	26-134	18-154	20	
Endrin	0.00500	0.00410	82	0.00500		0.00399	0.00378	80	76	5	27-160	37-155	20	
Heptachlor	0.00500	0.00331	66	0.00500	0.0000330	0.00284	0.00285	56	56	0	10-116	10-138	21	
Heptachlor epoxide	0.00500	0.00443	89	0.00500		0.00414	0.00404	83	81	3	27-123	21-139	20	
Methoxychlor	0.00500	0.00463	93	0.00500		0.00431	0.00405	86	81	6	25-156	21-169	20	

5 compound(s) reported

QC Protocol 5/1/2012 16:40:00

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

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St. Rose, LA 70087
(504) 469-0333

Quality Control

Batch: 182940 **Project:** 20137986 **LCS:** 20982078 30-Apr-12 17:16

Method: TCLP GC Semivolatile Organics **MS:** 20982079 30-Apr-12 17:59

Units: mg/L **MSD:** 20982080 30-Apr-12 18:21

Original for MS: Client Sample 20982036

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	0.200	0.152	76	0.200		0.146	0.167	73	83	13	10-159	10-167	27	
2,4,5-TP (Silvex)	0.0200	0.0165	82	0.0200		0.0123	0.0173	61	87	34 *	30-165	31-168	20	

2 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 5/1/2012 16:40:00

Blank Results

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St. Rose, LA 70087
(504) 469-0333

Blank ID: 182939 BLANK 1 **Project:** 20137986

Lab ID: 20982073

Prep Level: TCLP **Batch:** 182939

Method: TCLP GC Semivolatile Organics

Prepared: 26-Apr-12

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.000500	27-Apr-12 12:53 TWB
57-74-9	Chlordane	1	ND		0.00500	0.00500	27-Apr-12 12:53 TWB
72-20-8	Endrin	1	ND		0.00100	0.00100	27-Apr-12 12:53 TWB
76-44-8	Heptachlor	1	ND		0.000500	0.000500	27-Apr-12 12:53 TWB
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.000500	27-Apr-12 12:53 TWB
72-43-5	Methoxychlor	1	ND		0.00500	0.00500	27-Apr-12 12:53 TWB
8001-35-2	Toxaphene	1	ND		0.0200	0.0200	27-Apr-12 12:53 TWB

7 compound(s) reported

Protocol Blank 5/1/2012 16:40:02

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

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Blank ID: 182940 BLANK 1 **Project:** 20137986

Lab ID: 20982077

Prep Level: TCLP **Batch:** 182940

Method: TCLP GC Semivolatile Organics

Prepared: 26-Apr-12

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis	
94-75-7	2,4-D	1	ND		0.0200	0.0200	30-Apr-12 16:55	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	0.0200	30-Apr-12 16:55	SPP1

2 compound(s) reported

Protocol Blank 5/1/2012 16:40:02

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Project: 20137986

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
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St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20137986 PASI-KANS

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www.pacelabs.com

Workorder: 60119529 **Workorder Name:** GM FAIRFAX **Owner Received Date:** 4/17/2012 **Results Requested By:** 5/2/2012

Report To	Subcontract To
Angie Brown Pace Analytical Services, Inc. 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665 Fax (913)599-1759	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: leachate	TCLP PESTICIDES	TCLP HERBICIDES	LAB USE ONLY
1	DRUM COMOSITE	PS	4/17/2012 16:00	60119529003	leachate	1	X	X	20982036
2									
3									
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time
1		4/24/12 1730		
2		4-25-12 1020		4-25-12 1020
3				

Comments

Cooler Temperature on Receipt 4-2 °C Custody Seal (Y) or N Received on Ice (Y) or N Samples Intact (Y) or N

Pace Package 64 of 72
Page 1 of 1

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Condition

20137986 PASI-KANS

Courier: ☐ Pace Courier ☐ Hackbarth ☐ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] Custody Seals Intact: ☑Yes ☐No

Therometer Used: ☑ Therm Fisher IR 1 ☐ Therm Fisher IR 2 ☐ Therm Fisher IR 4

Type of Ice: Wet Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and initials of person examining contents: 4-26-12

Temp must be measured from Temperature blank when present

				Comments:
Temperature Blank Present"?	☑Yes	☐No	☐N/A	1
Chain of Custody Present:	☑Yes	☐No	☐N/A	2
Chain of Custody Complete:	☑Yes	☐No	☐N/A	3
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	4
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	5
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	6
Sufficient Volume:	☑Yes	☐No	☐N/A	7
Correct Containers Used:	☑Yes	☐No	☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes	☑No	☐N/A	9
Sample Labels match COC:	☑Yes	☐No	☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes	☐No	☐N/A	11
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐Yes	☐No	☐N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes	☐No	☐N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	14
Trip Blank Present:	☐Yes	☐No	☑N/A	16
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	17
Pace Trip Blank Lot # (if purchased): N/A				18

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.06, 28Jul2010 - mod

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

SHIPPED TO (Laboratory Name): Pace

60119529

REFERENCE NUMBER: 12559-T02

PROJECT NAME: GM Fairfax

CHAIN-OF-CUSTODY RECORD

SAMPLER'S SIGNATURE: John Hargens **PRINTED NAME:** John Hargens

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS: TCL VOC	Full TCLP	RCI	Paint Filter	PCB	REMARKS
	4-16-12	1630	SB119A 18-20	soil	6	✓	1DGGm	2DGGB	2VGGu	1WGGu	C01
	4-17-12	1045	SB119B 18-20	↓	6	✓	↓	↓	↓	↓	C02
	4-17-12	1600	Drum comosite	↓	3		✓	✓ ✓		1WGFu	2WGKm	C03
			Trip Blank		1	✓		1VGGu				C04

end of soil Sample collection
Geotech samples on 4-19-12
Water sample collection will start on 4-26-12

TOTAL NUMBER OF CONTAINERS 16

RELINQUISHED BY: (1) John Hargens	DATE: 4-17-12 TIME: 1740	RECEIVED BY: (2)	DATE: 4/17/12 TIME: 1740
RELINQUISHED BY: (2)	DATE: TIME:	RECEIVED BY: (3)	DATE: TIME:
RELINQUISHED BY: (3)	DATE: TIME:	RECEIVED BY: (4)	DATE: TIME:

METHOD OF SHIPMENT: in Person **AIR BILL No.** 1.9°C

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:
DATE: TIME:

005992

1001-00(SOURCE)GN-CO004

Sample Condition Upon Receipt

Pace Analytical® www.pacelabs.com

Client Name: CRA Project # 60119529

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐Commercial ☐Pace ☐Other ____

Tracking #: ____ Pace Shipping Label Used? ☐ Yes ☑ No

Optional	
Proj. Due Date:	5/02
Proj. Name:	

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐Bubble Wrap ☑Bubble Bags ☐Foam ☐None ☐Other ____

Thermometer Used: T-191 / T-194 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 1.9

Temperature should be above freezing to 6°C

Date and Initials of person examining contents: 4-18-12

Comments:

Chain of Custody present:	☑Yes ☐No ☐N/A	1.
Chain of Custody filled out:	☑Yes ☐No ☐N/A	2.
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	3.
Sampler name & signature on COC:	☑Yes ☐No ☐N/A	4.
Samples arrived within holding time:	☑Yes ☐No ☐N/A	5.
Short Hold Time analyses (<72hr):	☑Yes ☐No ☐N/A	6. K, TS
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	7.
Sufficient volume:	☑Yes ☐No ☐N/A	8.
Correct containers used:	☑Yes ☐No ☐N/A	9.
-Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☑Yes ☐No ☐N/A	11.
Filtered volume received for dissolved tests	☐Yes ☐No ☑N/A	12.
Sample labels match COC:	☑Yes ☐No ☐N/A	13.
-Includes date/time/ID/analyses Matrix: SL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	☑Yes ☐No	Initial when completed ____ Lot # of added preservative ____
Trip Blank present:	☑Yes ☐No ☐N/A	15.
Pace Trip Blank lot # (if purchased): 022012-3		
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	16.
Project sampled in USDA Regulated Area:	☐Yes ☐No ☑N/A	17. List State: ____

Client Notification/ Resolution: Copy COC to Client? Y / (N) Field Data Required? Y / (N)

Person Contacted: ____ Date/Time: ____

Comments/ Resolution: ____

Project Manager Review: ____ Date: 4/2

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

TABLE F.3

GROUNDWATER SAMPLE SUMMARY
APRIL AND MAY 2012
FORMER FAIRFAX I SITE
KANSAS CITY, KANSAS

Sample Identification	*Sample Location*	*QA/QC*	*Analytes*[1]
April 2012			
GW-042612-JH-01	TMW-149	MS/MSD[2]	TCL VOC
GW-042612-JH-02	TMW-140	--	Nutrient and microbial count, surfactants
GW-042612-JH-03	TMW-154	--	TCL VOC
GW-042612-JH-04	TMW-142	--	Nutrient and microbial count, surfactants
GW-042612-JH-05	TMW-157	--	TCL VOC
GW-042612-JH-06	TMW-141	--	Nutrient and microbial count, surfactants
GW-042612-JH-07	TMW-152	--	TCL VOC
GW-042612-JH-08	TMW-130	--	Nutrient and microbial count, surfactants
GW-042612-JH-09	TMW-148	--	TCL VOC
GW-042612-JH-10	TMW-139	--	Nutrient and microbial count, surfactants
GW-042612-JH-11	TMW-155	--	TCL VOC
GW-042612-JH-12	MW-103A	--	Nutrient and microbial count
GW-042712-JH-13	TMW-150	--	TCL VOC
GW-042612-JH-14	MW-156	--	TCL VOC
GW-042712-JH-15	TMW-150	Duplicate	TCL VOC
GW-042612-JH-16	TMW-153	--	TCL VOC
GW-042712-JH-17	TMW-151	--	TCL VOC
GW-042712-JH-18	TMW-127	--	TCL VOC
GW-042712-JH-19	MW-125	--	TCL VOC
GW-042712-JH-20	TMW-147	--	TCL VOC
GW-042712-JH-21	Groundwater Drum Composite	--	Waste characterization
May 2012			
GW-050912-NL-01	TMW-154	MS/MSD	TCL VOC
GW-050912-NL-02	TMW-155	--	TCL VOC
GW-050912-NL-03	TMW-156	--	TCL VOC
GW-050912-NL-04	TMW-153	--	TCL VOC
GW-050912-NL-05	TMW-157	--	TCL VOC
GW-050912-NL-06	TMW-150	--	TCL VOC
GW-051012-NL-07	TMW-149	--	TCL VOC
GW-051012-NL-FD	TMW-149	Duplicate	TCL VOC
GW-051012-NL-08	TMW-148	--	TCL VOC
GW-051012-NL-09	TMW-147	--	TCL VOC
GW-051012-NL-10	TMW-151	--	TCL VOC
GW-051012-NL-11	TMW-152	--	TCL VOC

[1] TCL VOC - target compound list volatile organic compounds
Waste characterization - toxicity characteristic leaching procedure (TCLP) VOC, TCLP semivolatile organic compounds (SVOC), TCLP pesticides, TCLP herbicides, PCBs, reactivity, pH, and flashpoint

[2] MS/MSD - matrix spike/matrix spike duplicate

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

May 15, 2012

Phil Harvey
Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

RE: Project: FAIRFAX I
Pace Project No.: 60120247

Dear Phil Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on April 27, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angie Brown

Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Travis Kogl, Conestoga-Rovers & Associates

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Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: FAIRFAX 1
Pace Project No.: 60120247

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: FAIRFAX 1
Pace Project No.: 60120247

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60120247001	GW-042612-JH-01	Water	04/26/12 10:10	04/27/12 16:37
60120247002	GW-042612-JH-02	Water	04/26/12 10:59	04/27/12 16:37
60120247003	GW-042612-JH-03	Water	04/26/12 11:40	04/27/12 16:37
60120247004	GW-042612-JH-04	Water	04/26/12 11:25	04/27/12 16:37
60120247005	GW-042612-JH-05	Water	04/26/12 13:05	04/27/12 16:37
60120247006	GW-042612-JH-06	Water	04/26/12 12:45	04/27/12 16:37
60120247007	GW-042612-JH-07	Water	04/26/12 14:00	04/27/12 16:37
60120247008	GW-042612-JH-08	Water	04/26/12 13:04	04/27/12 16:37
60120247009	GW-042612-JH-09	Water	04/26/12 15:05	04/27/12 16:37
60120247010	GW-042612-JH-10	Water	04/26/12 13:25	04/27/12 16:37
60120247011	GW-042612-JH-11	Water	04/26/12 16:15	04/27/12 16:37
60120247012	GW-042612-JH-14	Water	04/26/12 15:25	04/27/12 16:37
60120247013	GW-042612-JH-16	Water	04/26/12 16:10	04/27/12 16:37
60120247014	GW-042712-JH-13	Water	04/27/12 09:10	04/27/12 16:37
60120247015	GW-042712-JH-18	Water	04/27/12 09:20	04/27/12 16:37
60120247016	GW-042712-JH-15	Water	04/27/12 10:00	04/27/12 16:37
60120247017	GW-042712-JH-17	Water	04/27/12 10:25	04/27/12 16:37
60120247018	GW-042712-JH-20	Water	04/27/12 10:20	04/27/12 16:37
60120247019	GW-042712-JH-19	Water	04/27/12 11:40	04/27/12 16:37
60120247020	GW-042712-JH-21	Water	04/27/12 12:00	04/27/12 16:37
60120247021	TRIP BLANK	Water	04/27/12 00:00	04/27/12 16:37

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SAMPLE ANALYTE COUNT

Project: FAIRFAX 1
Pace Project No.: 60120247

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60120247001	**GW-042612-JH-01**	EPA 5030B/8260	JDM, PRG	70
60120247002	**GW-042612-JH-02**	SM 5540C	CMG	1
60120247003	**GW-042612-JH-03**	EPA 5030B/8260	JDM, PRG	70
60120247004	**GW-042612-JH-04**	SM 5540C	CMG	1
60120247005	**GW-042612-JH-05**	EPA 5030B/8260	JDM, PRG	70
60120247006	**GW-042612-JH-06**	SM 5540C	CMG	1
60120247007	**GW-042612-JH-07**	EPA 5030B/8260	JDM	70
60120247008	**GW-042612-JH-08**	SM 5540C	CMG	1
60120247009	**GW-042612-JH-09**	EPA 5030B/8260	JDM, PRG	70
60120247010	**GW-042612-JH-10**	SM 5540C	CMG	1
60120247011	**GW-042612-JH-11**	EPA 5030B/8260	JDM, PRG	70
60120247012	**GW-042612-JH-14**	EPA 5030B/8260	JDM, PRG	70
60120247013	**GW-042612-JH-16**	EPA 5030B/8260	JDM	70
60120247014	**GW-042712-JH-13**	EPA 5030B/8260	JDM	70
60120247015	**GW-042712-JH-18**	EPA 5030B/8260	JDM, PRG	70
60120247016	**GW-042712-JH-15**	EPA 5030B/8260	JDM	70
60120247017	**GW-042712-JH-17**	EPA 5030B/8260	JDM	70
60120247018	**GW-042712-JH-20**	EPA 5030B/8260	JDM	70
60120247019	**GW-042712-JH-19**	EPA 5030B/8260	JDM	70
60120247020	**GW-042712-JH-21**	EPA 8082	NAW	9
		EPA 6010	JDH	7
		EPA 7470	TDS	1
		EPA 8270	JMT	18
		EPA 8260	JTS	14
		EPA 1010	OL	1
		SM 4500-H+B	CMG	1
		SW-846 7.3.4.2 Modified	OL	1
		EPA 9095	AJM	1
		SW-846 7.3.3.2 Modified	AJM	1
60120247021	**TRIP BLANK**	EPA 5030B/8260	JDM	70

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Lenexa, KS 66219
(913)599-5665

PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCSV/12352

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 6010**
Description: 6010 MET ICP, TCLP
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 7470**
Description: 7470 Mercury, TCLP
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 8270**
Description: 8270 MSSV TCLP Sep Funnel
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 8260**
Description: 8260 MSV TCLP
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/45303

B: Analyte was detected in the associated method blank.
- GW-042712-JH-21 (Lab ID: 60120247020)
  - Benzene
  - Chloroform
  - Trichloroethene

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
15 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/45388

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 993404)
  - Acetone

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/45424

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: RACER_CRA IL
Date: May 15, 2012

Analyte Comments:

QC Batch: MSV/45388

B: Analyte was detected in the associated method blank.

- GW-042612-JH-01 (Lab ID: 60120247001)
  - Chloroform
  - Naphthalene
- GW-042612-JH-03 (Lab ID: 60120247003)
  - Chloroform
  - Naphthalene
- GW-042612-JH-05 (Lab ID: 60120247005)
  - Chloroform
- GW-042612-JH-07 (Lab ID: 60120247007)
  - Acetone
  - Chloroform
- GW-042612-JH-09 (Lab ID: 60120247009)
  - Carbon disulfide
  - Chloroform
  - Ethylbenzene
- GW-042612-JH-11 (Lab ID: 60120247011)
  - Carbon disulfide
  - Acetone
  - Chloroform
- GW-042612-JH-14 (Lab ID: 60120247012)
  - Acetone
  - Chloroform
- GW-042612-JH-16 (Lab ID: 60120247013)
  - Acetone
  - Chloroform
- GW-042712-JH-13 (Lab ID: 60120247014)
  - Acetone
  - Chloroform
- GW-042712-JH-15 (Lab ID: 60120247016)
  - Acetone
  - Chloroform
- GW-042712-JH-17 (Lab ID: 60120247017)
  - Acetone
  - Chloroform
- GW-042712-JH-18 (Lab ID: 60120247015)
  - Acetone
  - Chloroform
  - Ethylbenzene
- GW-042712-JH-19 (Lab ID: 60120247019)
  - Acetone
  - Chloroform
- GW-042712-JH-20 (Lab ID: 60120247018)
  - Acetone

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: RACER_CRA IL
Date: May 15, 2012

Analyte Comments:

QC Batch: MSV/45388

B: Analyte was detected in the associated method blank.

- GW-042712-JH-20 (Lab ID: 60120247018)
  - Chloroform
- TRIP BLANK (Lab ID: 60120247021)
  - Acetone
  - Chloroform

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 1010**
Description: 1010 Flashpoint,Closed Cup
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for EPA 1010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **SM 4500-H+B**
Description: 4500H+ pH, Electrometric
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for SM 4500-H+B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated more than 15 minutes after sample collection.
- GW-042712-JH-21 (Lab ID: 60120247020)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **SM 5540C**
Description: 5540C MBAS Surfactants
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
5 samples were analyzed for SM 5540C. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

The sample GW-042612-JH-12 noted on the chain of custody was not received. Field personel contacted regarding missing sample.

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **SW-846 7.3.4.2 Modified**
Description: 734S Reactive Sulfide
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for SW-846 7.3.4.2 Modified. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **EPA 9095**
Description: 9095 Paint Filter Liquid Test
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for EPA 9095. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FAIRFAX 1
Pace Project No.: 60120247

Method: **SW-846 7.3.3.2 Modified**
Description: 733C Reactive Cyanide
Client: RACER_CRA IL
Date: May 15, 2012

General Information:
1 sample was analyzed for SW-846 7.3.3.2 Modified. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-01 **Lab ID: 60120247001** Collected: 04/26/12 10:10 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	0.70	1		05/08/12 22:09	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 19:31	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 19:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 19:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 19:31	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 19:31	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 19:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 19:31	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 19:31	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 19:31	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 19:31	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 19:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 19:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 19:31	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 19:31	75-00-3	
Chloroform	**0.13J**	ug/L	1.0	0.087	1		05/05/12 19:31	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 19:31	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 19:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 19:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 19:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 19:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 19:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 19:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 19:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 19:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 19:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 19:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 19:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 19:31	107-06-2	
1,2-Dichloroethene (Total)	**1.0**	ug/L	1.0	0.12	1		05/05/12 19:31	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 19:31	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	0.086	1		05/05/12 19:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/05/12 19:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 19:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 19:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 19:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 19:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 19:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 19:31	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 19:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 19:31	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 19:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 19:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 19:31	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 19:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 19:31	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-01 **Lab ID: 60120247001** Collected: 04/26/12 10:10 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 19:31	1634-04-4	
Naphthalene	**0.92J**	ug/L	10.0	0.14	1		05/05/12 19:31	91-20-3	B
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 19:31	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 19:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 19:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 19:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/05/12 19:31	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 19:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 19:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 19:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 19:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 19:31	79-00-5	
Trichloroethene	**0.29J**	ug/L	1.0	0.070	1		05/08/12 22:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 19:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 19:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 19:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 19:31	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/05/12 19:31	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 19:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	87-113		1		05/05/12 19:31	460-00-4	
Dibromofluoromethane (S)	102	%	86-112		1		05/05/12 19:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	90	%	82-119		1		05/05/12 19:31	17060-07-0	
Toluene-d8 (S)	97	%	90-110		1		05/05/12 19:31	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 19:31		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-02 **Lab ID: 60120247002** Collected: 04/26/12 10:59 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Method: SM 5540C								
Surfactants	**0.57**	mg/L	0.20	0.047	1		04/28/12 09:50		SU

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-03 **Lab ID: 60120247003** Collected: 04/26/12 11:40 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**1.3J**	ug/L	10.0	0.70	1		05/08/12 22:23	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 19:46	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 19:46	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 19:46	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 19:46	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 19:46	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 19:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 19:46	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 19:46	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 19:46	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 19:46	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 19:46	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 19:46	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 19:46	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 19:46	75-00-3	
Chloroform	**0.14J**	ug/L	1.0	0.087	1		05/05/12 19:46	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 19:46	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 19:46	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 19:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 19:46	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 19:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 19:46	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 19:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 19:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 19:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 19:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 19:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 19:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 19:46	107-06-2	
1,2-Dichloroethene (Total)	**6.4**	ug/L	1.0	0.12	1		05/05/12 19:46	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 19:46	75-35-4	
cis-1,2-Dichloroethene	**5.7**	ug/L	1.0	0.086	1		05/05/12 19:46	156-59-2	
trans-1,2-Dichloroethene	**0.78J**	ug/L	1.0	0.085	1		05/05/12 19:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 19:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 19:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 19:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 19:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 19:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 19:46	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 19:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 19:46	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 19:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 19:46	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 19:46	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 19:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 19:46	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-03 **Lab ID: 60120247003** Collected: 04/26/12 11:40 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 19:46	1634-04-4	
Naphthalene	**0.23J**	ug/L	10.0	0.14	1		05/05/12 19:46	91-20-3	B
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 19:46	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 19:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 19:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 19:46	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/05/12 19:46	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 19:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 19:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 19:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 19:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 19:46	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.070	1		05/08/12 22:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 19:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 19:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 19:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 19:46	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/05/12 19:46	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 19:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	87-113		1		05/05/12 19:46	460-00-4	
Dibromofluoromethane (S)	99	%	86-112		1		05/05/12 19:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	91	%	82-119		1		05/05/12 19:46	17060-07-0	
Toluene-d8 (S)	96	%	90-110		1		05/05/12 19:46	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 19:46		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-04 **Lab ID: 60120247004** Collected: 04/26/12 11:25 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Method: SM 5540C								
Surfactants	**0.38**	mg/L	0.20	0.047	1		04/28/12 09:51		SU

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-05 **Lab ID: 60120247005** Collected: 04/26/12 13:05 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**2.8J**	ug/L	10.0	0.70	1		05/08/12 22:37	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 20:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 20:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 20:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 20:02	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 20:02	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 20:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 20:02	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 20:02	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 20:02	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 20:02	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 20:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 20:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 20:02	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 20:02	75-00-3	
Chloroform	**0.13J**	ug/L	1.0	0.087	1		05/05/12 20:02	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 20:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 20:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 20:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 20:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 20:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 20:02	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 20:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 20:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 20:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 20:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 20:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 20:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 20:02	107-06-2	
1,2-Dichloroethene (Total)	**0.14J**	ug/L	1.0	0.12	1		05/05/12 20:02	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 20:02	75-35-4	
cis-1,2-Dichloroethene	**0.14J**	ug/L	1.0	0.086	1		05/05/12 20:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/05/12 20:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 20:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 20:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 20:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 20:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 20:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 20:02	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 20:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 20:02	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 20:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 20:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 20:02	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 20:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 20:02	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-05 **Lab ID: 60120247005** Collected: 04/26/12 13:05 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 20:02	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 20:02	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 20:02	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 20:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 20:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 20:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/05/12 20:02	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 20:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 20:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 20:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 20:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 20:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.070	1		05/08/12 22:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 20:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 20:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 20:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 20:02	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/05/12 20:02	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 20:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	87-113		1		05/05/12 20:02	460-00-4	
Dibromofluoromethane (S)	99	%	86-112		1		05/05/12 20:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	90	%	82-119		1		05/05/12 20:02	17060-07-0	
Toluene-d8 (S)	96	%	90-110		1		05/05/12 20:02	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 20:02		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-06 **Lab ID: 60120247006** Collected: 04/26/12 12:45 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Method: SM 5540C								
Surfactants	**0.80**	mg/L	0.20	0.047	1		04/28/12 09:52		SU

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-07 **Lab ID: 60120247007** Collected: 04/26/12 14:00 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**8.3J**	ug/L	10.0	2.2	1		05/05/12 20:18	67-64-1	B,L1
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 20:18	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 20:18	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 20:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 20:18	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 20:18	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 20:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 20:18	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 20:18	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 20:18	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 20:18	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 20:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 20:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 20:18	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 20:18	75-00-3	
Chloroform	**0.18J**	ug/L	1.0	0.087	1		05/05/12 20:18	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 20:18	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 20:18	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 20:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 20:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 20:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 20:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 20:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 20:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 20:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 20:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 20:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 20:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 20:18	107-06-2	
1,2-Dichloroethene (Total)	**0.36J**	ug/L	1.0	0.12	1		05/05/12 20:18	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 20:18	75-35-4	
cis-1,2-Dichloroethene	**0.36J**	ug/L	1.0	0.086	1		05/05/12 20:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/05/12 20:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 20:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 20:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 20:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 20:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 20:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 20:18	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 20:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 20:18	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 20:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 20:18	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 20:18	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 20:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 20:18	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-07 **Lab ID: 60120247007** Collected: 04/26/12 14:00 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 20:18	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 20:18	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 20:18	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 20:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 20:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 20:18	79-34-5	
Tetrachloroethene	**4.9**	ug/L	1.0	0.073	1		05/05/12 20:18	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 20:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 20:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 20:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 20:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 20:18	79-00-5	
Trichloroethene	**1.3**	ug/L	1.0	0.064	1		05/05/12 20:18	79-01-6	
Trichlorofluoromethane	**1.4**	ug/L	1.0	0.064	1		05/05/12 20:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 20:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 20:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 20:18	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/05/12 20:18	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 20:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	87-113		1		05/05/12 20:18	460-00-4	
Dibromofluoromethane (S)	99	%	86-112		1		05/05/12 20:18	1868-53-7	
1,2-Dichloroethane-d4 (S)	90	%	82-119		1		05/05/12 20:18	17060-07-0	
Toluene-d8 (S)	97	%	90-110		1		05/05/12 20:18	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 20:18		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-08 **Lab ID: 60120247008** Collected: 04/26/12 13:04 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Method: SM 5540C								
Surfactants	**0.36**	mg/L	0.20	0.047	1		04/28/12 09:52		SU

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-09 **Lab ID: 60120247009** Collected: 04/26/12 15:05 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**24.6**	ug/L	10.0	0.70	1		05/08/12 22:52	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 20:34	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 20:34	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 20:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 20:34	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 20:34	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 20:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 20:34	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 20:34	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 20:34	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 20:34	98-06-6	
Carbon disulfide	**0.10J**	ug/L	5.0	0.053	1		05/05/12 20:34	75-15-0	B
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 20:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 20:34	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 20:34	75-00-3	
Chloroform	**0.15J**	ug/L	1.0	0.087	1		05/05/12 20:34	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 20:34	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 20:34	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 20:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 20:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 20:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 20:34	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 20:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 20:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 20:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 20:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 20:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 20:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 20:34	107-06-2	
1,2-Dichloroethene (Total)	**2.8**	ug/L	1.0	0.12	1		05/05/12 20:34	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 20:34	75-35-4	
cis-1,2-Dichloroethene	**2.7**	ug/L	1.0	0.086	1		05/05/12 20:34	156-59-2	
trans-1,2-Dichloroethene	**0.13J**	ug/L	1.0	0.085	1		05/05/12 20:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 20:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 20:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 20:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 20:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 20:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 20:34	10061-02-6	
Ethylbenzene	**0.13J**	ug/L	1.0	0.078	1		05/05/12 20:34	100-41-4	B
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 20:34	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 20:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 20:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 20:34	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 20:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 20:34	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-09 **Lab ID: 60120247009** Collected: 04/26/12 15:05 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 20:34	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 20:34	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 20:34	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 20:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 20:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 20:34	79-34-5	
Tetrachloroethene	**0.89J**	ug/L	1.0	0.073	1		05/05/12 20:34	127-18-4	
Toluene	**0.16J**	ug/L	1.0	0.064	1		05/05/12 20:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 20:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 20:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 20:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 20:34	79-00-5	
Trichloroethene	**3.5**	ug/L	1.0	0.064	1		05/05/12 20:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 20:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 20:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 20:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 20:34	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/05/12 20:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 20:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	87-113		1		05/05/12 20:34	460-00-4	
Dibromofluoromethane (S)	100	%	86-112		1		05/05/12 20:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	89	%	82-119		1		05/05/12 20:34	17060-07-0	
Toluene-d8 (S)	97	%	90-110		1		05/05/12 20:34	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 20:34		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-10 **Lab ID: 60120247010** Collected: 04/26/12 13:25 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants	Analytical Method: SM 5540C								
Surfactants	**1.0**	mg/L	0.20	0.047	1		04/28/12 09:53		SU

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-11 **Lab ID: 60120247011** Collected: 04/26/12 16:15 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**10.5**	ug/L	10.0	2.2	1		05/05/12 20:49	67-64-1	B,L1
Benzene	**0.12J**	ug/L	1.0	0.070	1		05/05/12 20:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 20:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 20:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 20:49	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 20:49	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 20:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 20:49	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 20:49	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 20:49	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 20:49	98-06-6	
Carbon disulfide	**0.10J**	ug/L	5.0	0.053	1		05/05/12 20:49	75-15-0	B
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 20:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 20:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 20:49	75-00-3	
Chloroform	**0.13J**	ug/L	1.0	0.087	1		05/05/12 20:49	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 20:49	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 20:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 20:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 20:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 20:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 20:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 20:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 20:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 20:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 20:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 20:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 20:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 20:49	107-06-2	
1,2-Dichloroethene (Total)	**803**	ug/L	10.0	1.2	10		05/08/12 23:06	540-59-0	
1,1-Dichloroethene	**1.3**	ug/L	1.0	0.13	1		05/05/12 20:49	75-35-4	
cis-1,2-Dichloroethene	**770**	ug/L	10.0	0.70	10		05/08/12 23:06	156-59-2	
trans-1,2-Dichloroethene	**33.9**	ug/L	1.0	0.085	1		05/05/12 20:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 20:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 20:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 20:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 20:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 20:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 20:49	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 20:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 20:49	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 20:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 20:49	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 20:49	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 20:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 20:49	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-11 **Lab ID: 60120247011** Collected: 04/26/12 16:15 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 20:49	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 20:49	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 20:49	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 20:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 20:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 20:49	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/05/12 20:49	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 20:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 20:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 20:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 20:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 20:49	79-00-5	
Trichloroethene	**300**	ug/L	10.0	0.70	10		05/08/12 23:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 20:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 20:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 20:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 20:49	108-67-8	
Vinyl chloride	**5.3**	ug/L	1.0	0.068	1		05/05/12 20:49	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 20:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	87-113		1		05/05/12 20:49	460-00-4	
Dibromofluoromethane (S)	101	%	86-112		1		05/05/12 20:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	91	%	82-119		1		05/05/12 20:49	17060-07-0	
Toluene-d8 (S)	98	%	90-110		1		05/05/12 20:49	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 20:49		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-14 **Lab ID: 60120247012** Collected: 04/26/12 15:25 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**6.8J**	ug/L	10.0	2.2	1		05/05/12 21:05	67-64-1	B,L1
Benzene	**0.32J**	ug/L	1.0	0.070	1		05/05/12 21:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 21:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 21:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 21:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 21:05	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 21:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 21:05	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 21:05	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 21:05	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 21:05	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 21:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 21:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 21:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 21:05	75-00-3	
Chloroform	**0.16J**	ug/L	1.0	0.087	1		05/05/12 21:05	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 21:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 21:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 21:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 21:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 21:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 21:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 21:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 21:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 21:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 21:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 21:05	75-71-8	
1,1-Dichloroethane	**0.34J**	ug/L	1.0	0.079	1		05/05/12 21:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 21:05	107-06-2	
1,2-Dichloroethene (Total)	**113**	ug/L	1.0	0.12	1		05/05/12 21:05	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 21:05	75-35-4	
cis-1,2-Dichloroethene	**99.9**	ug/L	1.0	0.086	1		05/05/12 21:05	156-59-2	
trans-1,2-Dichloroethene	**13.5**	ug/L	1.0	0.085	1		05/05/12 21:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 21:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 21:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 21:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 21:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 21:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 21:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 21:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 21:05	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 21:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 21:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 21:05	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 21:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 21:05	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-14 **Lab ID: 60120247012** Collected: 04/26/12 15:25 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 21:05	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 21:05	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 21:05	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 21:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 21:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 21:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/05/12 21:05	127-18-4	
Toluene	**0.11J**	ug/L	1.0	0.064	1		05/05/12 21:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 21:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 21:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 21:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 21:05	79-00-5	
Trichloroethene	**0.62J**	ug/L	1.0	0.064	1		05/05/12 21:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 21:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 21:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 21:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 21:05	108-67-8	
Vinyl chloride	**264**	ug/L	5.0	0.40	5		05/08/12 23:20	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 21:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	87-113		1		05/05/12 21:05	460-00-4	
Dibromofluoromethane (S)	99	%	86-112		1		05/05/12 21:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	89	%	82-119		1		05/05/12 21:05	17060-07-0	
Toluene-d8 (S)	97	%	90-110		1		05/05/12 21:05	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 21:05		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-16 **Lab ID: 60120247013** Collected: 04/26/12 16:10 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**8.4J**	ug/L	10.0	2.2	1		05/05/12 21:21	67-64-1	B,L1
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 21:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 21:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 21:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 21:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 21:21	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 21:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 21:21	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 21:21	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 21:21	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 21:21	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 21:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 21:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 21:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 21:21	75-00-3	
Chloroform	**0.14J**	ug/L	1.0	0.087	1		05/05/12 21:21	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 21:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 21:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 21:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 21:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 21:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 21:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 21:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 21:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 21:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 21:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 21:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 21:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 21:21	107-06-2	
1,2-Dichloroethene (Total)	**27.5**	ug/L	1.0	0.12	1		05/05/12 21:21	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 21:21	75-35-4	
cis-1,2-Dichloroethene	**26.3**	ug/L	1.0	0.086	1		05/05/12 21:21	156-59-2	
trans-1,2-Dichloroethene	**1.2**	ug/L	1.0	0.085	1		05/05/12 21:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 21:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 21:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 21:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 21:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 21:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 21:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 21:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 21:21	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 21:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 21:21	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 21:21	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 21:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 21:21	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042612-JH-16 **Lab ID: 60120247013** Collected: 04/26/12 16:10 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 21:21	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 21:21	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 21:21	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 21:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 21:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 21:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/05/12 21:21	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 21:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 21:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 21:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 21:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 21:21	79-00-5	
Trichloroethene	**1.6**	ug/L	1.0	0.064	1		05/05/12 21:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 21:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 21:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 21:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 21:21	108-67-8	
Vinyl chloride	**0.23J**	ug/L	1.0	0.068	1		05/05/12 21:21	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 21:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	87-113		1		05/05/12 21:21	460-00-4	
Dibromofluoromethane (S)	100	%	86-112		1		05/05/12 21:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	89	%	82-119		1		05/05/12 21:21	17060-07-0	
Toluene-d8 (S)	96	%	90-110		1		05/05/12 21:21	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 21:21		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-13 **Lab ID: 60120247014** Collected: 04/27/12 09:10 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**6.2J**	ug/L	10.0	2.2	1		05/05/12 21:37	67-64-1	B,L1
Benzene	**0.12J**	ug/L	1.0	0.070	1		05/05/12 21:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 21:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 21:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 21:37	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 21:37	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 21:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 21:37	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 21:37	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 21:37	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 21:37	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 21:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 21:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 21:37	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 21:37	75-00-3	
Chloroform	**0.18J**	ug/L	1.0	0.087	1		05/05/12 21:37	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 21:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 21:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 21:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 21:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 21:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 21:37	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 21:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 21:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 21:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 21:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 21:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 21:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 21:37	107-06-2	
1,2-Dichloroethene (Total)	**11.4**	ug/L	1.0	0.12	1		05/05/12 21:37	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 21:37	75-35-4	
cis-1,2-Dichloroethene	**9.7**	ug/L	1.0	0.086	1		05/05/12 21:37	156-59-2	
trans-1,2-Dichloroethene	**1.7**	ug/L	1.0	0.085	1		05/05/12 21:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 21:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 21:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 21:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 21:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 21:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 21:37	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 21:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 21:37	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 21:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 21:37	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 21:37	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 21:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 21:37	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-13 **Lab ID: 60120247014** Collected: 04/27/12 09:10 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 21:37	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 21:37	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 21:37	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 21:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 21:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 21:37	79-34-5	
Tetrachloroethene	**0.49J**	ug/L	1.0	0.073	1		05/05/12 21:37	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 21:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 21:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 21:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 21:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 21:37	79-00-5	
Trichloroethene	**20.1**	ug/L	1.0	0.064	1		05/05/12 21:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 21:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 21:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 21:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 21:37	108-67-8	
Vinyl chloride	**0.27J**	ug/L	1.0	0.068	1		05/05/12 21:37	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 21:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	87-113		1		05/05/12 21:37	460-00-4	
Dibromofluoromethane (S)	99	%	86-112		1		05/05/12 21:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	89	%	82-119		1		05/05/12 21:37	17060-07-0	
Toluene-d8 (S)	97	%	90-110		1		05/05/12 21:37	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 21:37		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-18 **Lab ID: 60120247015** Collected: 04/27/12 09:20 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**4.8J**	ug/L	10.0	2.2	1		05/05/12 21:52	67-64-1	B,L1
Benzene	**0.12J**	ug/L	1.0	0.070	1		05/05/12 21:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 21:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 21:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 21:52	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 21:52	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 21:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 21:52	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 21:52	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 21:52	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 21:52	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 21:52	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 21:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 21:52	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 21:52	75-00-3	
Chloroform	**0.15J**	ug/L	1.0	0.087	1		05/05/12 21:52	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 21:52	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 21:52	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 21:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 21:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 21:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 21:52	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 21:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 21:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 21:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 21:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 21:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 21:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 21:52	107-06-2	
1,2-Dichloroethene (Total)	**366**	ug/L	5.0	0.60	5		05/08/12 23:35	540-59-0	
1,1-Dichloroethene	**0.42J**	ug/L	1.0	0.13	1		05/05/12 21:52	75-35-4	
cis-1,2-Dichloroethene	**354**	ug/L	5.0	0.35	5		05/08/12 23:35	156-59-2	
trans-1,2-Dichloroethene	**12.0**	ug/L	1.0	0.085	1		05/05/12 21:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 21:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 21:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 21:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 21:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 21:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 21:52	10061-02-6	
Ethylbenzene	**0.11J**	ug/L	1.0	0.078	1		05/05/12 21:52	100-41-4	B
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 21:52	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 21:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 21:52	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 21:52	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 21:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 21:52	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-18 **Lab ID: 60120247015** Collected: 04/27/12 09:20 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 21:52	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 21:52	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 21:52	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 21:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 21:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 21:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/05/12 21:52	127-18-4	
Toluene	**0.50J**	ug/L	1.0	0.064	1		05/05/12 21:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 21:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 21:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 21:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 21:52	79-00-5	
Trichloroethene	**0.29J**	ug/L	1.0	0.064	1		05/05/12 21:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 21:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 21:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 21:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 21:52	108-67-8	
Vinyl chloride	**5.9**	ug/L	1.0	0.068	1		05/05/12 21:52	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 21:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	87-113		1		05/05/12 21:52	460-00-4	
Dibromofluoromethane (S)	100	%	86-112		1		05/05/12 21:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	89	%	82-119		1		05/05/12 21:52	17060-07-0	
Toluene-d8 (S)	99	%	90-110		1		05/05/12 21:52	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 21:52		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-15 **Lab ID: 60120247016** Collected: 04/27/12 10:00 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**6.1J**	ug/L	10.0	2.2	1		05/05/12 22:08	67-64-1	B,L1
Benzene	**0.12J**	ug/L	1.0	0.070	1		05/05/12 22:08	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 22:08	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 22:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 22:08	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 22:08	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 22:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 22:08	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 22:08	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 22:08	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 22:08	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 22:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 22:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 22:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 22:08	75-00-3	
Chloroform	**0.16J**	ug/L	1.0	0.087	1		05/05/12 22:08	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 22:08	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 22:08	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 22:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 22:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 22:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 22:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 22:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 22:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 22:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 22:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 22:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 22:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 22:08	107-06-2	
1,2-Dichloroethene (Total)	**11.9**	ug/L	1.0	0.12	1		05/05/12 22:08	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 22:08	75-35-4	
cis-1,2-Dichloroethene	**10.2**	ug/L	1.0	0.086	1		05/05/12 22:08	156-59-2	
trans-1,2-Dichloroethene	**1.7**	ug/L	1.0	0.085	1		05/05/12 22:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 22:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 22:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 22:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 22:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 22:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 22:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 22:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 22:08	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 22:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 22:08	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 22:08	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 22:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 22:08	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-15 **Lab ID: 60120247016** Collected: 04/27/12 10:00 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 22:08	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 22:08	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 22:08	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 22:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 22:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 22:08	79-34-5	
Tetrachloroethene	**0.47J**	ug/L	1.0	0.073	1		05/05/12 22:08	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 22:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 22:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 22:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 22:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 22:08	79-00-5	
Trichloroethene	**20.5**	ug/L	1.0	0.064	1		05/05/12 22:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 22:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 22:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 22:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 22:08	108-67-8	
Vinyl chloride	**0.27J**	ug/L	1.0	0.068	1		05/05/12 22:08	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 22:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	87-113		1		05/05/12 22:08	460-00-4	
Dibromofluoromethane (S)	99	%	86-112		1		05/05/12 22:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	89	%	82-119		1		05/05/12 22:08	17060-07-0	
Toluene-d8 (S)	97	%	90-110		1		05/05/12 22:08	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 22:08		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-17 **Lab ID: 60120247017** Collected: 04/27/12 10:25 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**4.3J**	ug/L	10.0	2.2	1		05/05/12 22:23	67-64-1	B,L1
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 22:23	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 22:23	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 22:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 22:23	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 22:23	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 22:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 22:23	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 22:23	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 22:23	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 22:23	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 22:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 22:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 22:23	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 22:23	75-00-3	
Chloroform	**0.13J**	ug/L	1.0	0.087	1		05/05/12 22:23	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 22:23	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 22:23	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 22:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 22:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 22:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 22:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 22:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 22:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 22:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 22:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 22:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 22:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 22:23	107-06-2	
1,2-Dichloroethene (Total)	**37.4**	ug/L	1.0	0.12	1		05/05/12 22:23	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 22:23	75-35-4	
cis-1,2-Dichloroethene	**34.3**	ug/L	1.0	0.086	1		05/05/12 22:23	156-59-2	
trans-1,2-Dichloroethene	**3.1**	ug/L	1.0	0.085	1		05/05/12 22:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 22:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 22:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 22:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 22:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 22:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 22:23	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 22:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 22:23	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 22:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 22:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 22:23	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 22:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 22:23	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-17 **Lab ID: 60120247017** Collected: 04/27/12 10:25 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 22:23	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 22:23	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 22:23	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 22:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 22:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 22:23	79-34-5	
Tetrachloroethene	**1.1**	ug/L	1.0	0.073	1		05/05/12 22:23	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 22:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 22:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 22:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 22:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 22:23	79-00-5	
Trichloroethene	**9.9**	ug/L	1.0	0.064	1		05/05/12 22:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 22:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 22:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 22:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 22:23	108-67-8	
Vinyl chloride	**0.13J**	ug/L	1.0	0.068	1		05/05/12 22:23	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 22:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	87-113		1		05/05/12 22:23	460-00-4	
Dibromofluoromethane (S)	100	%	86-112		1		05/05/12 22:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	90	%	82-119		1		05/05/12 22:23	17060-07-0	
Toluene-d8 (S)	98	%	90-110		1		05/05/12 22:23	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 22:23		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-20 **Lab ID: 60120247018** Collected: 04/27/12 10:20 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**4.5J**	ug/L	10.0	2.2	1		05/05/12 22:39	67-64-1	B,L1
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 22:39	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 22:39	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 22:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 22:39	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 22:39	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 22:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 22:39	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 22:39	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 22:39	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 22:39	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 22:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 22:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 22:39	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 22:39	75-00-3	
Chloroform	**0.14J**	ug/L	1.0	0.087	1		05/05/12 22:39	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 22:39	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 22:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 22:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 22:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 22:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 22:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 22:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 22:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 22:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 22:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 22:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 22:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 22:39	107-06-2	
1,2-Dichloroethene (Total)	**177**	ug/L	1.0	0.12	1		05/05/12 22:39	540-59-0	
1,1-Dichloroethene	**0.41J**	ug/L	1.0	0.13	1		05/05/12 22:39	75-35-4	
cis-1,2-Dichloroethene	**168**	ug/L	1.0	0.086	1		05/05/12 22:39	156-59-2	
trans-1,2-Dichloroethene	**9.0**	ug/L	1.0	0.085	1		05/05/12 22:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 22:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 22:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 22:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 22:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 22:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 22:39	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 22:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 22:39	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 22:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 22:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 22:39	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 22:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 22:39	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-20 **Lab ID: 60120247018** Collected: 04/27/12 10:20 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 22:39	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 22:39	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 22:39	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 22:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 22:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 22:39	79-34-5	
Tetrachloroethene	**52.7**	ug/L	1.0	0.073	1		05/05/12 22:39	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 22:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 22:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 22:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 22:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 22:39	79-00-5	
Trichloroethene	**34.7**	ug/L	1.0	0.064	1		05/05/12 22:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 22:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 22:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 22:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 22:39	108-67-8	
Vinyl chloride	**0.46J**	ug/L	1.0	0.068	1		05/05/12 22:39	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 22:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	87-113		1		05/05/12 22:39	460-00-4	
Dibromofluoromethane (S)	100	%	86-112		1		05/05/12 22:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	90	%	82-119		1		05/05/12 22:39	17060-07-0	
Toluene-d8 (S)	96	%	90-110		1		05/05/12 22:39	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 22:39		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-19 **Lab ID: 60120247019** Collected: 04/27/12 11:40 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**4.9J**	ug/L	10.0	2.2	1		05/05/12 22:55	67-64-1	B,L1
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 22:55	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 22:55	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 22:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 22:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 22:55	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 22:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 22:55	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 22:55	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 22:55	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 22:55	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 22:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 22:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 22:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 22:55	75-00-3	
Chloroform	**0.15J**	ug/L	1.0	0.087	1		05/05/12 22:55	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 22:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 22:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 22:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 22:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 22:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 22:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 22:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 22:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 22:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 22:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 22:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 22:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 22:55	107-06-2	
1,2-Dichloroethene (Total)	**0.59J**	ug/L	1.0	0.12	1		05/05/12 22:55	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 22:55	75-35-4	
cis-1,2-Dichloroethene	**0.59J**	ug/L	1.0	0.086	1		05/05/12 22:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/05/12 22:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 22:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 22:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 22:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 22:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 22:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 22:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 22:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 22:55	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 22:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 22:55	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 22:55	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 22:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 22:55	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-19 **Lab ID: 60120247019** Collected: 04/27/12 11:40 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 22:55	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 22:55	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 22:55	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 22:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 22:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 22:55	79-34-5	
Tetrachloroethene	**0.43J**	ug/L	1.0	0.073	1		05/05/12 22:55	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 22:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 22:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 22:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 22:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 22:55	79-00-5	
Trichloroethene	**0.32J**	ug/L	1.0	0.064	1		05/05/12 22:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 22:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 22:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 22:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 22:55	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/05/12 22:55	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 22:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	87-113		1		05/05/12 22:55	460-00-4	
Dibromofluoromethane (S)	97	%	86-112		1		05/05/12 22:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	89	%	82-119		1		05/05/12 22:55	17060-07-0	
Toluene-d8 (S)	96	%	90-110		1		05/05/12 22:55	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 22:55		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-21 **Lab ID: 60120247020** Collected: 04/27/12 12:00 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	0.13	1	05/02/12 00:00	05/02/12 17:51	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	0.29	1	05/02/12 00:00	05/02/12 17:51	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	0.30	1	05/02/12 00:00	05/02/12 17:51	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	0.26	1	05/02/12 00:00	05/02/12 17:51	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	0.099	1	05/02/12 00:00	05/02/12 17:51	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	0.14	1	05/02/12 00:00	05/02/12 17:51	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	0.11	1	05/02/12 00:00	05/02/12 17:51	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	107	%	26-120		1	05/02/12 00:00	05/02/12 17:51	877-09-8	
Decachlorobiphenyl (S)	58	%	10-117		1	05/02/12 00:00	05/02/12 17:51	2051-24-3	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 05/01/12 00:00								
Arsenic	ND	mg/L	0.50	0.052	1	05/01/12 15:50	05/02/12 10:52	7440-38-2	
Barium	**0.24J**	mg/L	2.5	0.0078	1	05/01/12 15:50	05/02/12 10:52	7440-39-3	
Cadmium	ND	mg/L	0.050	0.0039	1	05/01/12 15:50	05/02/12 10:52	7440-43-9	
Chromium	ND	mg/L	0.10	0.0084	1	05/01/12 15:50	05/02/12 10:52	7440-47-3	
Lead	ND	mg/L	0.50	0.028	1	05/01/12 15:50	05/02/12 10:52	7439-92-1	
Selenium	ND	mg/L	0.50	0.038	1	05/01/12 15:50	05/02/12 10:52	7782-49-2	
Silver	ND	mg/L	0.10	0.011	1	05/01/12 15:50	05/02/12 10:52	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 05/01/12 00:00								
Mercury	ND	ug/L	2.0	1.0	1	05/01/12 11:47	05/01/12 15:49	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 05/01/12 00:00								
1,4-Dichlorobenzene	ND	ug/L	100	4.7	1	05/02/12 00:00	05/02/12 16:52	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	40.0	1	05/02/12 00:00	05/02/12 16:52	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	14.5	1	05/02/12 00:00	05/02/12 16:52	87-68-3	
Hexachlorobenzene	ND	ug/L	100	13.1	1	05/02/12 00:00	05/02/12 16:52	118-74-1	
Hexachloroethane	ND	ug/L	100	15.4	1	05/02/12 00:00	05/02/12 16:52	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	11.7	1	05/02/12 00:00	05/02/12 16:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	**15.0J**	ug/L	200	12.0	1	05/02/12 00:00	05/02/12 16:52		
Nitrobenzene	ND	ug/L	100	4.5	1	05/02/12 00:00	05/02/12 16:52	98-95-3	
Pentachlorophenol	ND	ug/L	500	15.8	1	05/02/12 00:00	05/02/12 16:52	87-86-5	
Pyridine	ND	ug/L	100	12.8	1	05/02/12 00:00	05/02/12 16:52	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	4.5	1	05/02/12 00:00	05/02/12 16:52	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	4.3	1	05/02/12 00:00	05/02/12 16:52	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	42-120		1	05/02/12 00:00	05/02/12 16:52	4165-60-0	
2-Fluorobiphenyl (S)	74	%	43-120		1	05/02/12 00:00	05/02/12 16:52	321-60-8	
Terphenyl-d14 (S)	80	%	38-120		1	05/02/12 00:00	05/02/12 16:52	1718-51-0	
Phenol-d6 (S)	67	%	41-120		1	05/02/12 00:00	05/02/12 16:52	13127-88-3	
2-Fluorophenol (S)	65	%	40-120		1	05/02/12 00:00	05/02/12 16:52	367-12-4	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: GW-042712-JH-21 **Lab ID: 60120247020** Collected: 04/27/12 12:00 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 05/01/12 00:00								
Surrogates									
2,4,6-Tribromophenol (S)	80	%	38-126		1	05/02/12 00:00	05/02/12 16:52	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 05/01/12 00:00								
Benzene	ND	ug/L	50.0	0.50	1		05/03/12 12:32	71-43-2	B
2-Butanone (MEK)	ND	ug/L	1000	5.0	1		05/03/12 12:32	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	0.50	1		05/03/12 12:32	56-23-5	
Chlorobenzene	ND	ug/L	50.0	0.50	1		05/03/12 12:32	108-90-7	
Chloroform	ND	ug/L	200	0.50	1		05/03/12 12:32	67-66-3	B
1,2-Dichloroethane	ND	ug/L	50.0	0.50	1		05/03/12 12:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	0.50	1		05/03/12 12:32	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	0.50	1		05/03/12 12:32	127-18-4	
Trichloroethene	ND	ug/L	50.0	0.50	1		05/03/12 12:32	79-01-6	B
Vinyl chloride	ND	ug/L	100	0.50	1		05/03/12 12:32	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%	83-120		1		05/03/12 12:32	17060-07-0	
Toluene-d8 (S)	96	%	81-117		1		05/03/12 12:32	2037-26-5	
4-Bromofluorobenzene (S)	98	%	82-121		1		05/03/12 12:32	460-00-4	
Dibromofluoromethane (S)	99	%	85-113		1		05/03/12 12:32	1868-53-7	
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>210**	deg F	78.0	78.0	1		05/11/12 12:00		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		05/02/12 16:00		H6
734S Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Modified								
Sulfide, Reactive	ND	mg/L	10.0	1.8	1		05/07/12 14:45		
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**positive**				1		05/10/12 08:30		
733C Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Modified								
Cyanide, Reactive	**0.0014J**	mg/L	0.0050	0.0014	1		05/02/12 16:54		

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: TRIP BLANK **Lab ID: 60120247021** Collected: 04/27/12 00:00 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**3.3J**	ug/L	10.0	2.2	1		05/05/12 23:11	67-64-1	B,L1
Benzene	ND	ug/L	1.0	0.070	1		05/05/12 23:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/05/12 23:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/05/12 23:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/05/12 23:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/05/12 23:11	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/05/12 23:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/05/12 23:11	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 23:11	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/05/12 23:11	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/05/12 23:11	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/05/12 23:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/05/12 23:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/05/12 23:11	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/05/12 23:11	75-00-3	
Chloroform	**0.27J**	ug/L	1.0	0.087	1		05/05/12 23:11	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/05/12 23:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/05/12 23:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/05/12 23:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/05/12 23:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/05/12 23:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/05/12 23:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/05/12 23:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/05/12 23:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/05/12 23:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/05/12 23:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/05/12 23:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/05/12 23:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/05/12 23:11	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.12	1		05/05/12 23:11	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/05/12 23:11	75-35-4	
cis-1,2-Dichloroethene	**0.11J**	ug/L	1.0	0.086	1		05/05/12 23:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/05/12 23:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/05/12 23:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/05/12 23:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/05/12 23:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/05/12 23:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/05/12 23:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/05/12 23:11	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/05/12 23:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/05/12 23:11	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/05/12 23:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/05/12 23:11	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/05/12 23:11	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/05/12 23:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/05/12 23:11	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX 1
Pace Project No.: 60120247

Sample: TRIP BLANK **Lab ID: 60120247021** Collected: 04/27/12 00:00 Received: 04/27/12 16:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/05/12 23:11	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/05/12 23:11	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/05/12 23:11	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/05/12 23:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 23:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/05/12 23:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/05/12 23:11	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/05/12 23:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/05/12 23:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/05/12 23:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/05/12 23:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/05/12 23:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.064	1		05/05/12 23:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/05/12 23:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/05/12 23:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/05/12 23:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/05/12 23:11	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/05/12 23:11	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/05/12 23:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	87-113		1		05/05/12 23:11	460-00-4	
Dibromofluoromethane (S)	99	%	86-112		1		05/05/12 23:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	89	%	82-119		1		05/05/12 23:11	17060-07-0	
Toluene-d8 (S)	96	%	90-110		1		05/05/12 23:11	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/05/12 23:11		

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: MERP/6233
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 60120247020

METHOD BLANK: 990647 Matrix: Water
Associated Lab Samples: 60120247020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	05/01/12 15:29	

LABORATORY CONTROL SAMPLE: 990648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	15	14.2	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 990649 990650

Parameter	Units	60120207001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	15	15	16.2	16.1	108	107	75-125	1	19	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: MPRP/17880
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 60120247020

METHOD BLANK: 990857 Matrix: Water
Associated Lab Samples: 60120247020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.50	05/02/12 10:19	
Barium	mg/L	0.043J	2.5	05/02/12 10:19	
Cadmium	mg/L	ND	0.050	05/02/12 10:19	
Chromium	mg/L	ND	0.10	05/02/12 10:19	
Lead	mg/L	ND	0.50	05/02/12 10:19	
Selenium	mg/L	ND	0.50	05/02/12 10:19	
Silver	mg/L	ND	0.10	05/02/12 10:19	

LABORATORY CONTROL SAMPLE: 990858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	0.95	95	80-120	
Barium	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	1	0.95	95	80-120	
Chromium	mg/L	1	1.0	101	80-120	
Lead	mg/L	1	1.0	102	80-120	
Selenium	mg/L	1	0.93	93	80-120	
Silver	mg/L	.5	0.49	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 990859 990860

Parameter	Units	60120207001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	10	10	9.9	9.7	98	97	75-125	1	20	
Barium	mg/L	ND	10	10	10.4	10.2	99	97	75-125	2	20	
Cadmium	mg/L	ND	10	10	9.7	9.6	97	96	75-125	1	20	
Chromium	mg/L	ND	10	10	10.2	10	102	100	75-125	2	20	
Lead	mg/L	ND	10	10	9.7	9.5	97	95	75-125	2	20	
Selenium	mg/L	ND	10	10	9.7	9.6	97	96	75-125	2	20	
Silver	mg/L	ND	5	5	5.2	5.1	103	101	75-125	2	20	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: MSV/45303
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 60120247020

METHOD BLANK: 991134 Matrix: Water
Associated Lab Samples: 60120247020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	05/03/12 10:55	
1,2-Dichloroethane	ug/L	ND	50.0	05/03/12 10:55	
2-Butanone (MEK)	ug/L	6.7J	1000	05/03/12 10:55	
Benzene	ug/L	ND	50.0	05/03/12 10:55	
Carbon tetrachloride	ug/L	ND	50.0	05/03/12 10:55	
Chlorobenzene	ug/L	ND	50.0	05/03/12 10:55	
Chloroform	ug/L	ND	200	05/03/12 10:55	
Tetrachloroethene	ug/L	ND	50.0	05/03/12 10:55	
Trichloroethene	ug/L	ND	50.0	05/03/12 10:55	
Vinyl chloride	ug/L	ND	100	05/03/12 10:55	
1,2-Dichloroethane-d4 (S)	%	101	83-120	05/03/12 10:55	
4-Bromofluorobenzene (S)	%	98	82-121	05/03/12 10:55	
Dibromofluoromethane (S)	%	101	85-113	05/03/12 10:55	
Toluene-d8 (S)	%	100	81-117	05/03/12 10:55	

LABORATORY CONTROL SAMPLE: 991135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	200	182	91	67-134	
1,2-Dichloroethane	ug/L	200	186	93	78-123	
2-Butanone (MEK)	ug/L	1000	1220	122	64-125	
Benzene	ug/L	200	185	92	81-120	
Carbon tetrachloride	ug/L	200	187	93	75-130	
Chlorobenzene	ug/L	200	179	89	83-116	
Chloroform	ug/L	200	172J	86	79-117	
Tetrachloroethene	ug/L	200	192	96	81-120	
Trichloroethene	ug/L	200	179	89	81-120	
Vinyl chloride	ug/L	200	148	74	62-134	
1,2-Dichloroethane-d4 (S)	%			103	83-120	
4-Bromofluorobenzene (S)	%			101	82-121	
Dibromofluoromethane (S)	%			100	85-113	
Toluene-d8 (S)	%			96	81-117	

MATRIX SPIKE SAMPLE: 991136

Parameter	Units	60119764001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	200	182	91	50-134	
1,2-Dichloroethane	ug/L	ND	200	185	93	66-126	
2-Butanone (MEK)	ug/L	ND	1000	833J	83	48-121	
Benzene	ug/L	ND	200	187	93	53-130	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

MATRIX SPIKE SAMPLE: 991136

Parameter	Units	60119764001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	ND	200	186	93	46-132	
Chlorobenzene	ug/L	ND	200	181	90	32-139	
Chloroform	ug/L	ND	200	173J	85	61-121	
Tetrachloroethene	ug/L	ND	200	189	95	20-145	
Trichloroethene	ug/L	ND	200	172	86	38-139	
Vinyl chloride	ug/L	ND	200	147	74	36-144	
1,2-Dichloroethane-d4 (S)	%				99	83-120	
4-Bromofluorobenzene (S)	%				100	82-121	
Dibromofluoromethane (S)	%				99	85-113	
Toluene-d8 (S)	%				101	81-117	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: MSV/45388 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60120247001, 60120247003, 60120247005, 60120247007, 60120247009, 60120247011, 60120247012, 60120247013, 60120247014, 60120247015, 60120247016, 60120247017, 60120247018, 60120247019, 60120247021

METHOD BLANK: 993403 Matrix: Water
Associated Lab Samples: 60120247001, 60120247003, 60120247005, 60120247007, 60120247009, 60120247011, 60120247012, 60120247013, 60120247014, 60120247015, 60120247016, 60120247017, 60120247018, 60120247019, 60120247021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/05/12 18:11	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/05/12 18:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/05/12 18:11	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/05/12 18:11	
1,1-Dichloroethane	ug/L	ND	1.0	05/05/12 18:11	
1,1-Dichloroethene	ug/L	ND	1.0	05/05/12 18:11	
1,1-Dichloropropene	ug/L	ND	1.0	05/05/12 18:11	
1,2,3-Trichlorobenzene	ug/L	0.17J	1.0	05/05/12 18:11	
1,2,3-Trichloropropane	ug/L	ND	2.5	05/05/12 18:11	
1,2,4-Trichlorobenzene	ug/L	0.12J	1.0	05/05/12 18:11	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/05/12 18:11	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	05/05/12 18:11	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/05/12 18:11	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/05/12 18:11	
1,2-Dichloroethane	ug/L	ND	1.0	05/05/12 18:11	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	05/05/12 18:11	
1,2-Dichloropropane	ug/L	ND	1.0	05/05/12 18:11	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/05/12 18:11	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/05/12 18:11	
1,3-Dichloropropane	ug/L	ND	1.0	05/05/12 18:11	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/05/12 18:11	
2,2-Dichloropropane	ug/L	ND	1.0	05/05/12 18:11	
2-Butanone (MEK)	ug/L	ND	10.0	05/05/12 18:11	
2-Chlorotoluene	ug/L	ND	1.0	05/05/12 18:11	
2-Hexanone	ug/L	ND	10.0	05/05/12 18:11	
4-Chlorotoluene	ug/L	ND	1.0	05/05/12 18:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/05/12 18:11	
Acetone	ug/L	28.2	10.0	05/05/12 18:11	
Benzene	ug/L	ND	1.0	05/05/12 18:11	
Bromobenzene	ug/L	ND	1.0	05/05/12 18:11	
Bromochloromethane	ug/L	ND	1.0	05/05/12 18:11	
Bromodichloromethane	ug/L	ND	1.0	05/05/12 18:11	
Bromoform	ug/L	ND	1.0	05/05/12 18:11	
Bromomethane	ug/L	ND	1.0	05/05/12 18:11	
Carbon disulfide	ug/L	0.11J	5.0	05/05/12 18:11	
Carbon tetrachloride	ug/L	ND	1.0	05/05/12 18:11	
Chlorobenzene	ug/L	ND	1.0	05/05/12 18:11	
Chloroethane	ug/L	ND	1.0	05/05/12 18:11	
Chloroform	ug/L	0.15J	1.0	05/05/12 18:11	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

METHOD BLANK: 993403 Matrix: Water

Associated Lab Samples: 60120247001, 60120247003, 60120247005, 60120247007, 60120247009, 60120247011, 60120247012, 60120247013, 60120247014, 60120247015, 60120247016, 60120247017, 60120247018, 60120247019, 60120247021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/L	ND	1.0	05/05/12 18:11	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/05/12 18:11	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/05/12 18:11	
Dibromochloromethane	ug/L	ND	1.0	05/05/12 18:11	
Dibromomethane	ug/L	ND	1.0	05/05/12 18:11	
Dichlorodifluoromethane	ug/L	ND	1.0	05/05/12 18:11	
Ethylbenzene	ug/L	0.15J	1.0	05/05/12 18:11	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	05/05/12 18:11	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/05/12 18:11	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/05/12 18:11	
Methylene chloride	ug/L	ND	1.0	05/05/12 18:11	
n-Butylbenzene	ug/L	ND	1.0	05/05/12 18:11	
n-Propylbenzene	ug/L	ND	1.0	05/05/12 18:11	
Naphthalene	ug/L	0.25J	10.0	05/05/12 18:11	
p-Isopropyltoluene	ug/L	ND	1.0	05/05/12 18:11	
sec-Butylbenzene	ug/L	ND	1.0	05/05/12 18:11	
Styrene	ug/L	ND	1.0	05/05/12 18:11	
tert-Butylbenzene	ug/L	ND	1.0	05/05/12 18:11	
Tetrachloroethene	ug/L	ND	1.0	05/05/12 18:11	
Toluene	ug/L	ND	1.0	05/05/12 18:11	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/05/12 18:11	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/05/12 18:11	
Trichloroethene	ug/L	ND	1.0	05/05/12 18:11	
Trichlorofluoromethane	ug/L	ND	1.0	05/05/12 18:11	
Vinyl chloride	ug/L	ND	1.0	05/05/12 18:11	
Xylene (Total)	ug/L	ND	3.0	05/05/12 18:11	
1,2-Dichloroethane-d4 (S)	%	90	82-119	05/05/12 18:11	
4-Bromofluorobenzene (S)	%	97	87-113	05/05/12 18:11	
Dibromofluoromethane (S)	%	100	86-112	05/05/12 18:11	
Toluene-d8 (S)	%	97	90-110	05/05/12 18:11	

LABORATORY CONTROL SAMPLE: 993404

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.2	101	81-121	
1,1,1-Trichloroethane	ug/L	20	18.5	93	82-119	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	96	78-124	
1,1,2-Trichloroethane	ug/L	20	21.0	105	79-121	
1,1-Dichloroethane	ug/L	20	18.5	93	73-119	
1,1-Dichloroethene	ug/L	20	20.6	103	75-120	
1,1-Dichloropropene	ug/L	20	20.5	103	79-123	
1,2,3-Trichlorobenzene	ug/L	20	17.6	88	73-122	
1,2,3-Trichloropropane	ug/L	20	20.4	102	77-124	
1,2,4-Trichlorobenzene	ug/L	20	17.3	87	75-120	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

LABORATORY CONTROL SAMPLE: 993404

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	18.5	92	77-120	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	93	69-125	
1,2-Dibromoethane (EDB)	ug/L	20	22.7	113	85-121	
1,2-Dichlorobenzene	ug/L	20	19.5	97	82-115	
1,2-Dichloroethane	ug/L	20	18.9	94	77-125	
1,2-Dichloroethene (Total)	ug/L	40	40.9	102	79-120	
1,2-Dichloropropane	ug/L	20	20.5	103	83-119	
1,3,5-Trimethylbenzene	ug/L	20	17.5	88	79-121	
1,3-Dichlorobenzene	ug/L	20	18.9	94	79-117	
1,3-Dichloropropane	ug/L	20	20.4	102	78-116	
1,4-Dichlorobenzene	ug/L	20	19.3	97	83-115	
2,2-Dichloropropane	ug/L	20	17.2	86	66-123	
2-Butanone (MEK)	ug/L	100	140	140	43-165	
2-Chlorotoluene	ug/L	20	18.0	90	81-117	
2-Hexanone	ug/L	100	109	109	47-159	
4-Chlorotoluene	ug/L	20	18.5	92	84-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	71-129	
Acetone	ug/L	100	239	239	18-192	L0
Benzene	ug/L	20	21.4	107	82-117	
Bromobenzene	ug/L	20	20.0	100	83-116	
Bromochloromethane	ug/L	20	22.1	111	79-121	
Bromodichloromethane	ug/L	20	18.7	94	79-114	
Bromoform	ug/L	20	20.3	101	78-121	
Bromomethane	ug/L	20	15.1	76	36-146	
Carbon disulfide	ug/L	20	17.2	86	75-138	
Carbon tetrachloride	ug/L	20	18.9	95	80-123	
Chlorobenzene	ug/L	20	20.6	103	83-121	
Chloroethane	ug/L	20	19.6	98	42-166	
Chloroform	ug/L	20	21.4	107	82-116	
Chloromethane	ug/L	20	11.8	59	32-127	
cis-1,2-Dichloroethene	ug/L	20	19.4	97	80-119	
cis-1,3-Dichloropropene	ug/L	20	21.0	105	76-119	
Dibromochloromethane	ug/L	20	20.6	103	81-123	
Dibromomethane	ug/L	20	23.8	119	79-123	
Dichlorodifluoromethane	ug/L	20	10.8	54	10-163	
Ethylbenzene	ug/L	20	20.2	101	79-121	
Hexachloro-1,3-butadiene	ug/L	20	16.8	84	78-125	
Isopropylbenzene (Cumene)	ug/L	20	20.6	103	80-120	
Methyl-tert-butyl ether	ug/L	20	20.1	101	78-119	
Methylene chloride	ug/L	20	22.0	110	75-118	
n-Butylbenzene	ug/L	20	17.6	88	80-126	
n-Propylbenzene	ug/L	20	18.4	92	83-116	
Naphthalene	ug/L	20	19.6	98	66-133	
p-Isopropyltoluene	ug/L	20	18.2	91	77-120	
sec-Butylbenzene	ug/L	20	17.5	88	81-120	
Styrene	ug/L	20	19.9	100	84-115	
tert-Butylbenzene	ug/L	20	17.7	89	80-117	
Tetrachloroethene	ug/L	20	19.9	99	80-124	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

LABORATORY CONTROL SAMPLE: 993404

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	21.0	105	80-120	
trans-1,2-Dichloroethene	ug/L	20	21.5	107	79-120	
trans-1,3-Dichloropropene	ug/L	20	20.4	102	76-118	
Trichloroethene	ug/L	20	20.9	105	76-122	
Trichlorofluoromethane	ug/L	20	17.7	89	72-120	
Vinyl chloride	ug/L	20	15.6	78	57-163	
Xylene (Total)	ug/L	60	61.3	102	75-120	
1,2-Dichloroethane-d4 (S)	%			91	82-119	
4-Bromofluorobenzene (S)	%			96	87-113	
Dibromofluoromethane (S)	%			102	86-112	
Toluene-d8 (S)	%			98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 993405 993406

Parameter	Units	60120247001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	21.1	21.0	106	105	56-124	1	26	
1,1,1-Trichloroethane	ug/L	ND	20	20	21.3	20.8	107	104	57-128	2	27	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	19.3	19.6	96	98	48-137	2	26	
1,1,2-Trichloroethane	ug/L	ND	20	20	20.2	19.9	101	99	57-136	2	25	
1,1-Dichloroethane	ug/L	ND	20	20	20.8	20.1	104	100	55-130	3	27	
1,1-Dichloroethene	ug/L	ND	20	20	24.0	23.2	120	116	46-146	3	25	
1,1-Dichloropropene	ug/L	ND	20	20	23.9	23.3	120	117	57-137	3	27	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	18.5	19.5	93	97	41-136	5	22	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.6	18.6	93	93	56-136	0	24	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	18.4	18.8	92	94	32-140	2	26	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	19.3	19.1	97	96	42-133	1	23	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	17.1	16.6	85	83	36-167	3	29	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	22.4	21.7	112	108	45-155	3	21	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.0	19.7	100	98	54-125	1	19	
1,2-Dichloroethane	ug/L	ND	20	20	19.7	18.6	98	93	44-145	5	22	
1,2-Dichloroethene (Total)	ug/L	1.0	40	40	46.4	45.5	113	111	46-144	2	26	
1,2-Dichloropropane	ug/L	ND	20	20	21.9	21.5	109	107	60-124	2	26	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	18.8	18.7	94	94	38-143	1	27	
1,3-Dichlorobenzene	ug/L	ND	20	20	19.5	19.7	98	98	53-123	1	24	
1,3-Dichloropropane	ug/L	ND	20	20	20.5	20.0	102	100	61-130	3	27	
1,4-Dichlorobenzene	ug/L	ND	20	20	20.0	19.9	100	99	53-121	1	25	
2,2-Dichloropropane	ug/L	ND	20	20	9.1	8.7	45	43	21-146	4	25	
2-Butanone (MEK)	ug/L	ND	100	100	95.0	93.7	95	94	29-131	1	27	
2-Chlorotoluene	ug/L	ND	20	20	19.2	19.3	96	97	54-131	0	21	
2-Hexanone	ug/L	ND	100	100	80.3	79.9	80	80	41-137	0	24	
4-Chlorotoluene	ug/L	ND	20	20	19.4	19.3	97	97	56-130	0	22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	98.8	95.5	99	96	38-139	3	25	
Acetone	ug/L	ND	100	100	93.8	88.3	83	78	30-147	6	30	
Benzene	ug/L	ND	20	20	23.7	23.3	118	117	58-139	2	21	
Bromobenzene	ug/L	ND	20	20	20.7	20.4	104	102	57-123	2	21	
Bromochloromethane	ug/L	ND	20	20	23.3	22.2	116	111	56-127	4	24	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 993405 993406

Parameter	Units	60120247001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromodichloromethane	ug/L	ND	20	20	19.6	19.0	98	95	56-125	3	26	
Bromoform	ug/L	ND	20	20	19.7	19.9	99	99	41-132	1	21	
Bromomethane	ug/L	ND	20	20	15.4	15.2	77	76	11-162	1	30	
Carbon disulfide	ug/L	ND	20	20	19.0	18.7	95	94	28-155	1	25	
Carbon tetrachloride	ug/L	ND	20	20	22.3	21.7	111	109	54-138	2	23	
Chlorobenzene	ug/L	ND	20	20	21.6	21.0	108	105	56-129	3	21	
Chloroethane	ug/L	ND	20	20	21.9	21.5	110	107	42-178	2	33	
Chloroform	ug/L	0.13J	20	20	23.4	22.7	116	113	55-130	3	23	
Chloromethane	ug/L	ND	20	20	11.4	11.1	57	55	39-141	3	29	
cis-1,2-Dichloroethene	ug/L	1.0	20	20	21.8	21.5	104	102	34-152	2	26	
cis-1,3-Dichloropropene	ug/L	ND	20	20	19.8	19.2	99	96	49-128	3	23	
Dibromochloromethane	ug/L	ND	20	20	20.7	20.4	104	102	57-119	2	21	
Dibromomethane	ug/L	ND	20	20	23.9	23.0	120	115	58-123	4	26	
Dichlorodifluoromethane	ug/L	ND	20	20	8.1	7.3	40	36	13-152	10	33	
Ethylbenzene	ug/L	ND	20	20	21.3	21.2	106	106	56-138	0	19	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	18.8	19.4	94	97	34-141	3	27	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	22.7	22.4	113	112	49-120	1	19	
Methyl-tert-butyl ether	ug/L	ND	20	20	20.7	20.1	104	100	35-140	3	20	
Methylene chloride	ug/L	ND	20	20	24.0	23.2	120	116	44-133	3	27	
n-Butylbenzene	ug/L	ND	20	20	18.8	18.9	94	95	44-138	1	27	
n-Propylbenzene	ug/L	ND	20	20	19.7	19.7	98	98	46-136	0	22	
Naphthalene	ug/L	0.92J	20	20	19.9	20.9	95	100	26-159	5	34	
p-Isopropyltoluene	ug/L	ND	20	20	19.6	19.4	98	97	47-129	1	23	
sec-Butylbenzene	ug/L	ND	20	20	19.3	19.2	97	96	51-138	1	23	
Styrene	ug/L	ND	20	20	20.9	20.6	105	103	31-162	2	26	
tert-Butylbenzene	ug/L	ND	20	20	19.6	19.4	98	97	54-135	1	22	
Tetrachloroethene	ug/L	ND	20	20	21.4	21.2	107	106	47-140	1	24	
Toluene	ug/L	ND	20	20	22.8	22.5	114	112	59-140	1	19	
trans-1,2-Dichloroethene	ug/L	ND	20	20	24.6	24.1	123	120	62-130	2	25	
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.2	18.2	91	91	41-111	0	20	
Trichloroethene	ug/L	0.29J	20	20	22.4	21.8	89	87	37-148	2	25	
Trichlorofluoromethane	ug/L	ND	20	20	20.4	19.8	102	99	53-138	3	30	
Vinyl chloride	ug/L	ND	20	20	16.5	16.0	83	80	47-133	3	32	
Xylene (Total)	ug/L	ND	60	60	65.0	64.0	108	107	52-146	1	19	
1,2-Dichloroethane-d4 (S)	%						89	88	82-119			
4-Bromofluorobenzene (S)	%						96	96	87-113			
Dibromofluoromethane (S)	%						100	100	86-112			
Toluene-d8 (S)	%						97	98	90-110			
Preservation pH		1.0			1.0	1.0				0		

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: MSV/45424 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60120247001, 60120247003, 60120247005, 60120247009, 60120247011, 60120247012, 60120247015

METHOD BLANK: 994464 Matrix: Water
Associated Lab Samples: 60120247001, 60120247003, 60120247005, 60120247009, 60120247011, 60120247012, 60120247015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethene (Total)	ug/L	ND	1.0	05/08/12 20:00	
Acetone	ug/L	ND	10.0	05/08/12 20:00	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/08/12 20:00	
Trichloroethene	ug/L	ND	1.0	05/08/12 20:00	
Vinyl chloride	ug/L	ND	1.0	05/08/12 20:00	
1,2-Dichloroethane-d4 (S)	%	98	82-119	05/08/12 20:00	
4-Bromofluorobenzene (S)	%	102	87-113	05/08/12 20:00	
Dibromofluoromethane (S)	%	96	86-112	05/08/12 20:00	
Toluene-d8 (S)	%	102	90-110	05/08/12 20:00	

LABORATORY CONTROL SAMPLE: 994465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/L	40	38.0	95	79-120	
Acetone	ug/L	100	92.5	93	18-192	
cis-1,2-Dichloroethene	ug/L	20	17.3	87	80-119	
Trichloroethene	ug/L	20	18.1	90	76-122	
Vinyl chloride	ug/L	20	19.8	99	57-163	
1,2-Dichloroethane-d4 (S)	%			98	82-119	
4-Bromofluorobenzene (S)	%			100	87-113	
Dibromofluoromethane (S)	%			98	86-112	
Toluene-d8 (S)	%			98	90-110	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: OEXT/32997
QC Batch Method: EPA 3510
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 60120247020

METHOD BLANK: 990970
Matrix: Water
Associated Lab Samples: 60120247020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	05/02/12 16:23	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	05/02/12 16:23	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	05/02/12 16:23	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	05/02/12 16:23	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	05/02/12 16:23	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	05/02/12 16:23	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	05/02/12 16:23	
Decachlorobiphenyl (S)	%	87	10-117	05/02/12 16:23	
Tetrachloro-m-xylene (S)	%	80	26-120	05/02/12 16:23	

LABORATORY CONTROL SAMPLE: 990971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	2.2	90	43-125	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.3	93	42-128	
Decachlorobiphenyl (S)	%			85	10-117	
Tetrachloro-m-xylene (S)	%			77	26-120	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: OEXT/33008 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 60120247020

METHOD BLANK: 991223 Matrix: Water
Associated Lab Samples: 60120247020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	05/02/12 14:51	
2,4,5-Trichlorophenol	ug/L	ND	500	05/02/12 14:51	
2,4,6-Trichlorophenol	ug/L	ND	100	05/02/12 14:51	
2,4-Dinitrotoluene	ug/L	ND	100	05/02/12 14:51	
2-Methylphenol(o-Cresol)	ug/L	ND	100	05/02/12 14:51	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	05/02/12 14:51	
Hexachloro-1,3-butadiene	ug/L	ND	100	05/02/12 14:51	
Hexachlorobenzene	ug/L	ND	100	05/02/12 14:51	
Hexachloroethane	ug/L	ND	100	05/02/12 14:51	
Nitrobenzene	ug/L	ND	100	05/02/12 14:51	
Pentachlorophenol	ug/L	ND	500	05/02/12 14:51	
Pyridine	ug/L	ND	100	05/02/12 14:51	
2,4,6-Tribromophenol (S)	%	99	38-126	05/02/12 14:51	
2-Fluorobiphenyl (S)	%	95	43-120	05/02/12 14:51	
2-Fluorophenol (S)	%	92	40-120	05/02/12 14:51	
Nitrobenzene-d5 (S)	%	95	42-120	05/02/12 14:51	
Phenol-d6 (S)	%	95	41-120	05/02/12 14:51	
Terphenyl-d14 (S)	%	100	38-120	05/02/12 14:51	

LABORATORY CONTROL SAMPLE: 991224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	408	82	42-120	
2,4,5-Trichlorophenol	ug/L	500	454J	91	51-120	
2,4,6-Trichlorophenol	ug/L	500	465	93	50-120	
2,4-Dinitrotoluene	ug/L	500	472	94	53-120	
2-Methylphenol(o-Cresol)	ug/L	500	440	88	46-120	
3&4-Methylphenol(m&p Cresol)	ug/L	500	435	87	35-120	
Hexachloro-1,3-butadiene	ug/L	500	426	85	43-120	
Hexachlorobenzene	ug/L	500	466	93	51-120	
Hexachloroethane	ug/L	500	399	80	38-120	
Nitrobenzene	ug/L	500	445	89	47-120	
Pentachlorophenol	ug/L	500	491J	98	39-123	
Pyridine	ug/L	500	342J	68	1-120	
2,4,6-Tribromophenol (S)	%			95	38-126	
2-Fluorobiphenyl (S)	%			93	43-120	
2-Fluorophenol (S)	%			83	40-120	
Nitrobenzene-d5 (S)	%			88	42-120	
Phenol-d6 (S)	%			83	41-120	
Terphenyl-d14 (S)	%			97	38-120	

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(913)599-5665

QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

MATRIX SPIKE SAMPLE: 991271

Parameter	Units	60120416001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	500	375	75	46-120	
2,4,5-Trichlorophenol	ug/L	ND	500	416J	83	38-120	
2,4,6-Trichlorophenol	ug/L	ND	500	417	83	42-120	
2,4-Dinitrotoluene	ug/L	ND	500	445	73	45-120	
2-Methylphenol(o-Cresol)	ug/L	ND	500	395	75	42-120	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	500	398	76	20-125	
Hexachloro-1,3-butadiene	ug/L	ND	500	379	76	47-120	
Hexachlorobenzene	ug/L	ND	500	438	88	49-120	
Hexachloroethane	ug/L	ND	500	368	74	39-120	
Nitrobenzene	ug/L	ND	500	430	86	29-127	
Pentachlorophenol	ug/L	ND	500	448J	90	36-130	
Pyridine	ug/L	ND	500	206J	33	1-120	
2,4,6-Tribromophenol (S)	%				88	38-126	
2-Fluorobiphenyl (S)	%				84	43-120	
2-Fluorophenol (S)	%				73	40-120	
Nitrobenzene-d5 (S)	%				77	42-120	
Phenol-d6 (S)	%				78	41-120	
Terphenyl-d14 (S)	%				91	38-120	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: WET/34781
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Associated Lab Samples: 60120247020

SAMPLE DUPLICATE: 989695

Parameter	Units	60120213001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	10	10	0	5	H6

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: WET/34776 Analysis Method: SM 5540C
QC Batch Method: SM 5540C Analysis Description: 5540C MBAS Surfactants
Associated Lab Samples: 60120247002, 60120247004, 60120247006, 60120247008, 60120247010

METHOD BLANK: 989578 Matrix: Water
Associated Lab Samples: 60120247002, 60120247004, 60120247006, 60120247008, 60120247010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.20	04/28/12 09:49	SU

LABORATORY CONTROL SAMPLE: 989579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	.6	0.60	101	80-120	SU

MATRIX SPIKE SAMPLE: 989580

Parameter	Units	60120247002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	0.57	.6	1.0	76	33-130	SU

SAMPLE DUPLICATE: 989581

Parameter	Units	60120247004 Result	Dup Result	RPD	Max RPD	Qualifiers
Surfactants	mg/L	0.38	0.35	8	19	SU

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: WET/34899
QC Batch Method: SW-846 7.3.4.2 Modified
Analysis Method: SW-846 7.3.4.2 Modified
Analysis Description: 734S Reactive Sulfide
Associated Lab Samples: 60120247020

METHOD BLANK: 994208 Matrix: Water
Associated Lab Samples: 60120247020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/L	ND	10.0	05/07/12 14:45	

LABORATORY CONTROL SAMPLE: 994209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/L	20	19.8	99	80-107	

SAMPLE DUPLICATE: 994211

Parameter	Units	60120247020 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: WET/34951
QC Batch Method: EPA 9095
Analysis Method: EPA 9095
Analysis Description: 9095 PAINT FILTER LIQUID TEST
Associated Lab Samples: 60120247020

SAMPLE DUPLICATE: 995503

Parameter	Units	60120088001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids		negative	negative			

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QUALITY CONTROL DATA

Project: FAIRFAX 1
Pace Project No.: 60120247

QC Batch: WETA/20040 Analysis Method: SW-846 7.3.3.2 Modified
QC Batch Method: SW-846 7.3.3.2 Modified Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 60120247020

METHOD BLANK: 990547 Matrix: Water
Associated Lab Samples: 60120247020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/L	ND	0.0050	05/02/12 16:53	

LABORATORY CONTROL SAMPLE: 990548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/L	.05	0.041	82	74-121	

SAMPLE DUPLICATE: 990549

Parameter	Units	60120247020 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/L	0.0014J	ND		26	

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QUALIFIERS

Project: FAIRFAX 1
Pace Project No.: 60120247

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: OEXT/32997

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/45424

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
H6	Analysis initiated more than 15 minutes after sample collection.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
SU	MBAS, calculated as LAS, Mol wt 342.2 g/mol

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRFAX 1
Pace Project No.: 60120247

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60120247020	**GW-042712-JH-21**	EPA 3510	OEXT/32997	EPA 8082	GCSV/12352
60120247020	**GW-042712-JH-21**	EPA 3010	MPRP/17880	EPA 6010	ICP/15105
60120247020	**GW-042712-JH-21**	EPA 7470	MERP/6233	EPA 7470	MERC/6194
60120247020	**GW-042712-JH-21**	EPA 3510	OEXT/33008	EPA 8270	MSSV/10347
60120247020	**GW-042712-JH-21**	EPA 8260	MSV/45303		
60120247001	**GW-042612-JH-01**	EPA 5030B/8260	MSV/45388		
60120247001	**GW-042612-JH-01**	EPA 5030B/8260	MSV/45424		
60120247003	**GW-042612-JH-03**	EPA 5030B/8260	MSV/45388		
60120247003	**GW-042612-JH-03**	EPA 5030B/8260	MSV/45424		
60120247005	**GW-042612-JH-05**	EPA 5030B/8260	MSV/45388		
60120247005	**GW-042612-JH-05**	EPA 5030B/8260	MSV/45424		
60120247007	**GW-042612-JH-07**	EPA 5030B/8260	MSV/45388		
60120247009	**GW-042612-JH-09**	EPA 5030B/8260	MSV/45388		
60120247009	**GW-042612-JH-09**	EPA 5030B/8260	MSV/45424		
60120247011	**GW-042612-JH-11**	EPA 5030B/8260	MSV/45388		
60120247011	**GW-042612-JH-11**	EPA 5030B/8260	MSV/45424		
60120247012	**GW-042612-JH-14**	EPA 5030B/8260	MSV/45388		
60120247012	**GW-042612-JH-14**	EPA 5030B/8260	MSV/45424		
60120247013	**GW-042612-JH-16**	EPA 5030B/8260	MSV/45388		
60120247014	**GW-042712-JH-13**	EPA 5030B/8260	MSV/45388		
60120247015	**GW-042712-JH-18**	EPA 5030B/8260	MSV/45388		
60120247015	**GW-042712-JH-18**	EPA 5030B/8260	MSV/45424		
60120247016	**GW-042712-JH-15**	EPA 5030B/8260	MSV/45388		
60120247017	**GW-042712-JH-17**	EPA 5030B/8260	MSV/45388		
60120247018	**GW-042712-JH-20**	EPA 5030B/8260	MSV/45388		
60120247019	**GW-042712-JH-19**	EPA 5030B/8260	MSV/45388		
60120247021	**TRIP BLANK**	EPA 5030B/8260	MSV/45388		
60120247020	**GW-042712-JH-21**	EPA 1010	WET/34984		
60120247020	**GW-042712-JH-21**	SM 4500-H+B	WET/34781		
60120247002	**GW-042612-JH-02**	SM 5540C	WET/34776		
60120247004	**GW-042612-JH-04**	SM 5540C	WET/34776		
60120247006	**GW-042612-JH-06**	SM 5540C	WET/34776		
60120247008	**GW-042612-JH-08**	SM 5540C	WET/34776		
60120247010	**GW-042612-JH-10**	SM 5540C	WET/34776		
60120247020	**GW-042712-JH-21**	SW-846 7.3.4.2 Modified	WET/34899		
60120247020	**GW-042712-JH-21**	EPA 9095	WET/34951		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRFAX 1
Pace Project No.: 60120247

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60120247020	**GW-042712-JH-21**	SW-846 7.3.3.2 Modified	WETA/20040		

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St. Rose, LA 70087
(504) 469-0333

May 11, 2012

Angie Brown
Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219

RE: Project 20138387
Project ID: 60120247/RACER_CRA IL

Dear Angie Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on April 27, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karen Brown
karen.brown@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20138387

Client: PASI Kansas

Project ID: 60120247/RACER_CRA IL

Washington Department of Ecology C2078

Oregon Environmental Laboratory Accreditation - LA200001

U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119

Pennsylvania Dept. of Env Protection (NELAC) 68-04202

Texas Commission on Env. Quality (NELAC) T104704405-09-TX

Kansas Department of Health and Environment (NELAC) E-10266

Florida Department of Health (NELAC) E87595

Oklahoma Department of Environmental Quality - 2010-139

Illinois Environmental Protection Agency - 0025721

California Env. Lab Accreditation Program Branch - 11277CA

Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF LABORATORY ANALYSIS

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Sample Cross Reference

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Project: 20138387

Client: PASI Kansas

Project ID: 60120247/RACER_CRA IL

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
GW-042712-JH-21	20985084	Other	27-Apr-12 12:00	27-Apr-12 12:01

Project Narrative

Pace Analytical Services, Inc.
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(504) 469-0333

Project: 20138387

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

Surrogates:

All surrogate recoveries were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
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(504) 469-0333

Project: 20138387

Analytical Method	Batch	Sample used for QC
EPA 8081	183761	Project sample GW-042712-JH-21
EPA 8151	183762	Project sample GW-042712-JH-21

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

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Sample Results

Client: PASI Kansas

Client ID: GW-042712-JH-21
Project: 20138387
Project ID: 60120247/RACER_CRA IL
Site: None
Lab ID: 20985084 (TCLP)
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: TCLP
Batch: 183761
Method: EPA 8081 (TCLP)
8081 Pests TCLP
Collected: 27-Apr-12
Received: 27-Apr-12
Prepared: 07-May-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.000500	0.400	08-May-12 12:47	TWB
57-74-9	Chlordane	1	ND		0.00500	0.00500	0.0300	08-May-12 12:47	TWB
72-20-8	Endrin	1	ND		0.00100	0.00100	0.0200	08-May-12 12:47	TWB
76-44-8	Heptachlor	1	ND		0.000500	0.000500	0.00800	08-May-12 12:47	TWB
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.000500	0.00800	08-May-12 12:47	TWB
72-43-5	Methoxychlor	1	ND		0.00500	0.00500	10.0	08-May-12 12:47	TWB
8001-35-2	Toxaphene	1	ND		0.0200	0.0200	0.500	08-May-12 12:47	TWB

7 compound(s) reported

Protocol 5/11/2012 16:43:39

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Sample Results

Client: PASI Kansas

Client ID: GW-042712-JH-21
Project: 20138387
Project ID: 60120247/RACER_CRA IL
Site: None
Lab ID: 20985084 (TCLP)
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: TCLP
Batch: 183762
Method: EPA 8151 (TCLP)
8151 Herbs TCLP
Collected: 27-Apr-12
Received: 27-Apr-12
Prepared: 07-May-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	0.0200	10.0	10-May-12 23:12	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	0.0200	1.00	10-May-12 23:12	SPP1

2 compound(s) reported

Protocol 5/11/2012 16:43:39

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Surrogate Recovery

Batch: 183761 **Project:** 20138387

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20985235	183761 BLANK 1		70	69	69	63				
20985236	183761 LCS 1		78	77	49	58				
20985084	GW-042712-JH-21		70	68	65	62				
20985237	GW-042712-JH-21 MS 1		80	83	69	64				
20985238	GW-042712-JH-21 MSD 1		72	71	59	59				
	QC limits:		10-137	10-137	18-119	18-119				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Surrogate Recovery

Batch: 183762 **Project:** 20138387

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20985239	183762 BLANK 1		101	105						
20985240	183762 LCS 1		78	75						
20985084	GW-042712-JH-21		97	98						
20985241	GW-042712-JH-21 MS 1		66	67						
20985242	GW-042712-JH-21 MSD 1		78	79						
	QC limits:		10-166	10-166						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Quality Control

Batch: 183761 **Project:** 20138387 **LCS:** 20985236 08-May-12 12:35

Method: TCLP GC Semivolatile Organics **MS:** 20985237 08-May-12 13:00

Units: mg/L **MSD:** 20985238 08-May-12 13:13

Original for MS: Client Sample 20985084

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
gamma-BHC (Lindane)	0.00500	0.00294	59	0.00500	0.0000253	0.00402	0.00365	80	73	10	26-134	18-154	20	
Endrin	0.00500	0.00342	68	0.00500		0.00372	0.00353	74	71	5	27-160	37-155	20	
Heptachlor	0.00500	0.00281	56	0.00500		0.00344	0.00326	69	65	5	10-116	10-138	21	
Heptachlor epoxide	0.00500	0.00340	68	0.00500		0.00389	0.00367	78	73	6	27-123	21-139	20	
Methoxychlor	0.00500	0.00430	86	0.00500		0.00417	0.00403	83	81	3	25-156	21-169	20	

5 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 5/11/2012 16:43:41

Pace Analytical™

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 183762 **Project:** 20138387 **LCS:** 20985240 10-May-12 22:50

Method: TCLP GC Semivolatile Organics **MS:** 20985241 10-May-12 23:33

Units: mg/L **MSD:** 20985242 10-May-12 23:55

Original for MS: Client Sample 20985084

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	0.200	0.176	88	0.200		0.138	0.162	69	81	16	10-159	10-167	27	
2,4,5-TP (Silvex)	0.0200	0.0174	87	0.0200		0.0145	0.0168	73	84	15	30-165	31-168	20	

2 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 5/11/2012 16:43:41

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 183761 BLANK 1 **Project:** 20138387

Lab ID: 20985235

Prep Level: TCLP **Batch:** 183761

Method: TCLP GC Semivolatile Organics

Prepared: 07-May-12

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.000500	08-May-12 12:22	TWB
57-74-9	Chlordane	1	ND		0.00500	0.00500	08-May-12 12:22	TWB
72-20-8	Endrin	1	ND		0.00100	0.00100	08-May-12 12:22	TWB
76-44-8	Heptachlor	1	ND		0.000500	0.000500	08-May-12 12:22	TWB
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.000500	08-May-12 12:22	TWB
72-43-5	Methoxychlor	1	ND		0.00500	0.00500	08-May-12 12:22	TWB
8001-35-2	Toxaphene	1	ND		0.0200	0.0200	08-May-12 12:22	TWB

7 compound(s) reported

Protocol Blank 5/11/2012 16:43:42

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 183762 BLANK 1 **Project:** 20138387

Lab ID: 20985239

Prep Level: TCLP **Batch:** 183762

Method: TCLP GC Semivolatile Organics

Prepared: 07-May-12

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
94-75-7	2,4-D	1	ND		0.0200	0.0200	10-May-12 22:29 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	0.0200	10-May-12 22:29 SPP1

2 compound(s) reported

Protocol Blank 5/11/2012 16:43:42

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20138387

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

20138387 PASI-KANS

Chain of Custody

20138387

Pace Analytical
www.pacelabs.com

Workorder: 60120247 **Workorder Name:** FAIRFAX 1 **Owner Received Date:** 4/27/2012 **Results Requested By:** 5/11/2012

Report To	Subcontract To
Angie Brown Pace Analytical Services, Inc. 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665 Fax (913)599-1759	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: none	Requested Analysis: TCLP PEST EPA 8081	Requested Analysis: TCLP HERB EPA 8151	LAB USE ONLY
1	GW-042712-JH-21	PS	4/27/2012 12:00	60120247020	Water	1	X	X	20985084

Transfers	Released By	Date/Time	Received By	Date/Time
1		5/3/12 1700		
2	Fed Ex	5-4-12 1030	J Miller	5-4-12 1030
3				

Comments

Cooler Temperature on Receipt 2.8 °C Custody Seal Y or N Received on Ice (Y) or N Samples Intact (Y) or N

Pace Package #92 of 96

page 16 of 17

20138387 PASI-KANS

Pace Analytical

Sample Cor

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Courier: ☐ Pace Courier ☐ Hackbarth ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals Intact:** ☑Yes ☐No

Therometer Used: ☑ Therm Fisher IR 1 ☐ Therm Fisher IR 2 ☐ Therm Fisher IR 4

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 5-4-10 JM

Temp must be measured from Temperature blank when present

				Comments:
Temperature Blank Present"?	☑Yes	☐No	☐N/A	1
Chain of Custody Present:	☑Yes	☐No	☐N/A	2
Chain of Custody Complete:	☐Yes	☐No	☐N/A	3
Chain of Custody Relinquished:	☐Yes	☐No	☐N/A	4
Sampler Name & Signature on COC:	☐Yes	☐No	☐N/A	5
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	6
Sufficient Volume:	☐Yes	☐No	☐N/A	7
Correct Containers Used:	☑Yes	☐No	☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes	☑No	☐N/A	9
Sample Labels match COC:	☑Yes	☐No	☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☐Yes	☐No	☐N/A	11
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐Yes	☐No	☐N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes	☐No	☐N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Samples checked for dechlorination:	☐Yes	☐No	☐N/A	14
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☐N/A	14
Trip Blank Present:	☐Yes	☐No	☐N/A	16
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	17
Pace Trip Blank Lot # (if purchased): N/A				18

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.06, 28Jul2010 - mod

Sample Condition Upon Receipt

Pace Analytical® www.pacelabs.com

Client Name: Conestoga Rovers Project # 10120524?

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other ____

Tracking #: ____ Pace Shipping Label Used? ☐ Yes ☑ No

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☑ Yes ☐ No

Optional: Proj. Due Date: 5/11 Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☑ Foam ☐ None ☑ Other Zip

Thermometer Used: (T-191) T-194 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 4.0

Temperature should be above freezing to 6°C

Date and Initials of person examining contents: ZF 4/27

		Comments:
Chain of Custody present:	☑Yes ☐No ☐N/A	1.
Chain of Custody filled out:	☑Yes ☐No ☐N/A	2.
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	3.
Sampler name & signature on COC:	☑Yes ☐No ☐N/A	4.
Samples arrived within holding time:	☑Yes ☐No ☐N/A	5.
Short Hold Time analyses (<72hr):	☑Yes ☐No ☐N/A	6. MBAS, PH
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	7.
Sufficient volume:	☑Yes ☐No ☐N/A	8.
Correct containers used:	☑Yes ☐No ☐N/A	9.
-Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes ☐No ☑N/A	11.
Filtered volume received for dissolved tests	☐Yes ☐No ☑N/A	12.
Sample labels match COC: 4/27 ZF	☐Yes (☑No) ☐N/A	13. No GW-042612-JH-12 NOTED 4/30/12
-Includes date/time/ID/analyses Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Exceptions: (VOA), coliform, TOC, O&G, WI-DRO (water), Phenolics	☑Yes ☐No	Initial when completed ____ Lot # of added preservative ____
Trip Blank present:	☑Yes ☐No ☐N/A	15.
Pace Trip Blank lot # (if purchased): 031912-3		
Headspace in VOA vials (>6mm):	☐Yes ☑No ☐N/A	16.
Project sampled in USDA Regulated Area:	☐Yes ☐No ☑N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? Y / (N) Field Data Required? Y (N)

Person Contacted: JOHN Date/Time: ____

Comments/ Resolution: MISSING GW-042612-JH-12 FOR CONSTITUENTS.

Project Manager Review: ____ Date: 4/30/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-KS-C-003-Rev 05, 19February2010

CONESTOGA-ROVERS & ASSOCIATES
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

SHIPPED TO (Laboratory Name): Pace

REFERENCE NUMBER: 12559-T02-2012

PROJECT NAME: Fairfax I

CHAIN-OF-CUSTODY RECORD

SAMPLER'S SIGNATURE: John Hargens **PRINTED NAME:** John Hargens

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	TCL	VOC	surfactant	PARAMETERS	REMARKS	
	4-26-12	1010	GW-042612-JH-01	water	9	✓			9DG9H	MS MSD 6/1/2012	001
		1059	02		1		✓		1BP2U		002
		1140	03		3	✓			3DG9H		003
		1125	04		1		✓		1BP2U		004
		1305	05		3	✓			3DG9H		005
		1245	06		1		✓		1BP2U		006
		1400	07		3	✓			3DG9H		007
		1304	08		1		✓		1BP2U		008
		1505	09		3	✓			3DG9H		009
		1325	10		1		✓		1BP2U		010
		1615	11		3	✓			3DG9H		011
		1404	12		1		✓				
		1525	14		3	✓			3DG9H		012
		1610	16		3	✓					013
	4-27-12	910	GW-042712-JH-13		3	✓					014
			TOTAL NUMBER OF CONTAINERS		39						

RELINQUISHED BY: ① John Hargens	DATE: 4-27-12 TIME: 16:37	RECEIVED BY: ②	DATE: 4/27/12 TIME: 1627
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: in Person **AIR BILL No.**

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:
DATE: TIME:

005996

1001-00(SOURCE)GN-CO004

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Conestoga Rovers & Associates	Report To:	Phil Harvey	Attention:	
Address:	8615 W. Bryn Mawr		Travis Kogl/Susan Scrochi	Company Name:	RACER/ENFOS
	Chicago, IL 60631	Copy To:	Julie Lidstone	Address:	
Email To:	pharvey@craworld.com	Purchase Order No.	TO 012559-TO3 (SITE 1289-1)	Pace Quote Reference:	
Phone:	773-380-9933 Fax	Client Project ID:	FAIRFAX PLANT SITES I & II	Pace Project Manager:	Angie Brown 913-563-1402
Requested Due Date/TAT:	10 Day (Default)	Container Order Number:		Pace Profile #:	

Regulatory Agency: KDHE

State / Location: KANSAS

Requested Analysis Filtered (Y/N)

ITEM#	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N: MBAS 5540CW	PCBs EPA 8082	Paint Filter EPA 9095	TCLP VOCs EPA 8260	TCLP SVOCs EPA 8270	TCLP PEST EPA 8081	TCLP HERB EPA 8151	Reactivity/pH/Flash	TCL VOC	Grain Size/Hydrometer	Atterberg Limits/compaction	Porosity	Residual Chlorine (Y/N)	60120477
1	GW-042712-JH-18	WT	G			4-27-12	920		3	✓			✓												✓	3	D69H			015
2	15		G				1000		3				✓												✓					***** JFLAGS REQUIRED ***** 016
3	17		G				1025		3				✓												✓					017
4	20		G				1020		3				✓												✓					018
5	19		G				1140		3				✓												✓					019
6	21	WW	C				1200		12	✓			✓						✓	✓	✓	✓	✓	✓		4	D69H, 2	A611, 3	A624, 3	BP2U	020
7	Trip Blank								3				✓												✓	2	D69H			021
8																														
9																														
10																														
11																														
12																														

Page Package 96 of 96

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	John Hargens	4-27-12	16:37		4/27/12	1637

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
4.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: John Hargens

SIGNATURE of SAMPLER: John Hargens

DATE Signed: 4-27-12

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

May 18, 2012

Phil Harvey
Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

RE: Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Dear Phil Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on May 10, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angie Brown

Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Travis Kogl, Conestoga-Rovers & Associates

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Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60121124001	**GW-050912-NL-01**	Water	05/09/12 10:30	05/10/12 14:55
60121124002	**GW-050912-NL-02**	Water	05/09/12 11:45	05/10/12 14:55
60121124003	**GW-050912-NL-03**	Water	05/09/12 12:45	05/10/12 14:55
60121124004	**GW-050912-NL-04**	Water	05/09/12 13:55	05/10/12 14:55
60121124005	**GW-050912-NL-05**	Water	05/09/12 14:35	05/10/12 14:55
60121124006	**GW-050912-NL-06**	Water	05/09/12 15:50	05/10/12 14:55
60121124007	**GW-051012-NL-07**	Water	05/10/12 09:55	05/10/12 14:55
60121124008	**GW-051012-NL-08**	Water	05/10/12 10:50	05/10/12 14:55
60121124009	**GW-051012-NL-09**	Water	05/10/12 12:10	05/10/12 14:55
60121124010	**GW-051012-NL-10**	Water	05/10/12 13:05	05/10/12 14:55
60121124011	**GW-051012-NL-11**	Water	05/10/12 14:30	05/10/12 14:55
60121124012	**GW-051012-NL-FD**	Water	05/10/12 00:01	05/10/12 14:55
60121124013	**TRIP BLANK**	Water	05/10/12 14:30	05/10/12 14:55

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Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60121124001	**GW-050912-NL-01**	EPA 5030B/8260	JDM	70
60121124002	**GW-050912-NL-02**	EPA 5030B/8260	JDM	70
60121124003	**GW-050912-NL-03**	EPA 5030B/8260	JDM	70
60121124004	**GW-050912-NL-04**	EPA 5030B/8260	JDM	70
60121124005	**GW-050912-NL-05**	EPA 5030B/8260	JDM	70
60121124006	**GW-050912-NL-06**	EPA 5030B/8260	JDM	70
60121124007	**GW-051012-NL-07**	EPA 5030B/8260	JDM	70
60121124008	**GW-051012-NL-08**	EPA 5030B/8260	JDM	70
60121124009	**GW-051012-NL-09**	EPA 5030B/8260	JDM	70
60121124010	**GW-051012-NL-10**	EPA 5030B/8260	JDM	70
60121124011	**GW-051012-NL-11**	EPA 5030B/8260	JDM	70
60121124012	**GW-051012-NL-FD**	EPA 5030B/8260	JDM	70
60121124013	**TRIP BLANK**	EPA 5030B/8260	JDM	70

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Lenexa, KS 66219
(913)599-5665

PROJECT NARRATIVE

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: RACER_CRA IL
Date: May 18, 2012

General Information:
13 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/45652

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/45604

B: Analyte was detected in the associated method blank.

- GW-050912-NL-01 (Lab ID: 60121124001)
  - Chloroform
- GW-050912-NL-02 (Lab ID: 60121124002)
  - Chloroform
- GW-050912-NL-03 (Lab ID: 60121124003)
  - Chloroform

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Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

PROJECT NARRATIVE

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: RACER_CRA IL
Date: May 18, 2012

Analyte Comments:

QC Batch: MSV/45604

B: Analyte was detected in the associated method blank.

- GW-050912-NL-04 (Lab ID: 60121124004)
  - Chloroform
  - Naphthalene
- GW-050912-NL-05 (Lab ID: 60121124005)
  - Chloroform
- GW-050912-NL-06 (Lab ID: 60121124006)
  - Chloroform
- GW-051012-NL-07 (Lab ID: 60121124007)
  - Chloroform
- GW-051012-NL-08 (Lab ID: 60121124008)
  - Chloroform
- GW-051012-NL-09 (Lab ID: 60121124009)
  - Chloroform
- GW-051012-NL-10 (Lab ID: 60121124010)
  - Chloroform
- GW-051012-NL-11 (Lab ID: 60121124011)
  - Chloroform
- GW-051012-NL-FD (Lab ID: 60121124012)
  - Chloroform
- TRIP BLANK (Lab ID: 60121124013)
  - Chloroform

This data package has been reviewed for quality and completeness and is approved for release.

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Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-01 **Lab ID: 60121124001** Collected: 05/09/12 10:30 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**9.6J**	ug/L	10.0	2.2	1		05/16/12 11:59	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 11:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 11:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 11:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 11:59	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 11:59	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 11:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 11:59	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 11:59	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 11:59	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 11:59	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 11:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 11:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 11:59	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 11:59	75-00-3	
Chloroform	**0.15J**	ug/L	1.0	0.087	1		05/16/12 11:59	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 11:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 11:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 11:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 11:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 11:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 11:59	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 11:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 11:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 11:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 11:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 11:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 11:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 11:59	107-06-2	
1,2-Dichloroethene (Total)	**7.0**	ug/L	1.0	0.12	1		05/16/12 11:59	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 11:59	75-35-4	
cis-1,2-Dichloroethene	**6.1**	ug/L	1.0	0.086	1		05/16/12 11:59	156-59-2	
trans-1,2-Dichloroethene	**0.89J**	ug/L	1.0	0.085	1		05/16/12 11:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 11:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 11:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 11:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 11:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 11:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 11:59	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 11:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 11:59	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 11:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 11:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 11:59	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 11:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 11:59	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-01 **Lab ID: 60121124001** Collected: 05/09/12 10:30 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 11:59	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 11:59	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 11:59	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 11:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 11:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 11:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/16/12 11:59	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 11:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 11:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 11:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 11:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 11:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.064	1		05/16/12 11:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 11:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 11:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 11:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 11:59	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/16/12 11:59	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 11:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	87-113		1		05/16/12 11:59	460-00-4	
Dibromofluoromethane (S)	101	%	86-112		1		05/16/12 11:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	82-119		1		05/16/12 11:59	17060-07-0	
Toluene-d8 (S)	98	%	90-110		1		05/16/12 11:59	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 11:59		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-02 **Lab ID: 60121124002** Collected: 05/09/12 11:45 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**3.7J**	ug/L	10.0	2.2	1		05/16/12 12:15	67-64-1	
Benzene	**0.11J**	ug/L	1.0	0.070	1		05/16/12 12:15	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 12:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 12:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 12:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 12:15	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 12:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 12:15	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 12:15	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 12:15	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 12:15	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 12:15	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 12:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 12:15	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 12:15	75-00-3	
Chloroform	**0.19J**	ug/L	1.0	0.087	1		05/16/12 12:15	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 12:15	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 12:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 12:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 12:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 12:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 12:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 12:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 12:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 12:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 12:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 12:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 12:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 12:15	107-06-2	
1,2-Dichloroethene (Total)	**735**	ug/L	10.0	1.2	10		05/18/12 09:27	540-59-0	
1,1-Dichloroethene	**1.1**	ug/L	1.0	0.13	1		05/16/12 12:15	75-35-4	
cis-1,2-Dichloroethene	**709**	ug/L	10.0	0.86	10		05/18/12 09:27	156-59-2	
trans-1,2-Dichloroethene	**35.4**	ug/L	1.0	0.085	1		05/16/12 12:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 12:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 12:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 12:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 12:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 12:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 12:15	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 12:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 12:15	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 12:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 12:15	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 12:15	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 12:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 12:15	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-02 **Lab ID: 60121124002** Collected: 05/09/12 11:45 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 12:15	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 12:15	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 12:15	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 12:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 12:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 12:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/16/12 12:15	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 12:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 12:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 12:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 12:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 12:15	79-00-5	
Trichloroethene	**283**	ug/L	10.0	0.64	10		05/18/12 09:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 12:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 12:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 12:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 12:15	108-67-8	
Vinyl chloride	**5.9**	ug/L	1.0	0.068	1		05/16/12 12:15	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 12:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	87-113		1		05/16/12 12:15	460-00-4	
Dibromofluoromethane (S)	102	%	86-112		1		05/16/12 12:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	82-119		1		05/16/12 12:15	17060-07-0	
Toluene-d8 (S)	98	%	90-110		1		05/16/12 12:15	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 12:15		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-03 **Lab ID: 60121124003** Collected: 05/09/12 12:45 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	2.2	1		05/16/12 12:31	67-64-1	
Benzene	**0.30J**	ug/L	1.0	0.070	1		05/16/12 12:31	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 12:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 12:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 12:31	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 12:31	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 12:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 12:31	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 12:31	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 12:31	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 12:31	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 12:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 12:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 12:31	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 12:31	75-00-3	
Chloroform	**0.20J**	ug/L	1.0	0.087	1		05/16/12 12:31	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 12:31	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 12:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 12:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 12:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 12:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 12:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 12:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 12:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 12:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 12:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 12:31	75-71-8	
1,1-Dichloroethane	**0.37J**	ug/L	1.0	0.079	1		05/16/12 12:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 12:31	107-06-2	
1,2-Dichloroethene (Total)	**52.6**	ug/L	1.0	0.12	1		05/16/12 12:31	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 12:31	75-35-4	
cis-1,2-Dichloroethene	**37.9**	ug/L	1.0	0.086	1		05/16/12 12:31	156-59-2	
trans-1,2-Dichloroethene	**14.7**	ug/L	1.0	0.085	1		05/16/12 12:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 12:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 12:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 12:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 12:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 12:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 12:31	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 12:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 12:31	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 12:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 12:31	98-82-8	
p-Isopropyltoluene	**0.50J**	ug/L	1.0	0.065	1		05/16/12 12:31	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 12:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 12:31	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-03 **Lab ID: 60121124003** Collected: 05/09/12 12:45 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	**0.20J**	ug/L	1.0	0.077	1		05/16/12 12:31	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 12:31	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 12:31	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 12:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 12:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 12:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/16/12 12:31	127-18-4	
Toluene	**0.25J**	ug/L	1.0	0.064	1		05/16/12 12:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 12:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 12:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 12:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 12:31	79-00-5	
Trichloroethene	**0.54J**	ug/L	1.0	0.064	1		05/16/12 12:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 12:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 12:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 12:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 12:31	108-67-8	
Vinyl chloride	**385**	ug/L	5.0	0.34	5		05/18/12 09:42	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 12:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	87-113		1		05/16/12 12:31	460-00-4	
Dibromofluoromethane (S)	102	%	86-112		1		05/16/12 12:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	82-119		1		05/16/12 12:31	17060-07-0	
Toluene-d8 (S)	96	%	90-110		1		05/16/12 12:31	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 12:31		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-04 **Lab ID: 60121124004** Collected: 05/09/12 13:55 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	2.2	1		05/16/12 12:47	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 12:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 12:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 12:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 12:47	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 12:47	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 12:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 12:47	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 12:47	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 12:47	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 12:47	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 12:47	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 12:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 12:47	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 12:47	75-00-3	
Chloroform	**0.16J**	ug/L	1.0	0.087	1		05/16/12 12:47	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 12:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 12:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 12:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 12:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 12:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 12:47	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 12:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 12:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 12:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 12:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 12:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 12:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 12:47	107-06-2	
1,2-Dichloroethene (Total)	**20.6**	ug/L	1.0	0.12	1		05/16/12 12:47	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 12:47	75-35-4	
cis-1,2-Dichloroethene	**19.7**	ug/L	1.0	0.086	1		05/16/12 12:47	156-59-2	
trans-1,2-Dichloroethene	**0.97J**	ug/L	1.0	0.085	1		05/16/12 12:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 12:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 12:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 12:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 12:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 12:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 12:47	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 12:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 12:47	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 12:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 12:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 12:47	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 12:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 12:47	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-04 **Lab ID: 60121124004** Collected: 05/09/12 13:55 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 12:47	1634-04-4	
Naphthalene	**0.56J**	ug/L	10.0	0.14	1		05/16/12 12:47	91-20-3	B
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 12:47	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 12:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 12:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 12:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/16/12 12:47	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 12:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 12:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 12:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 12:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 12:47	79-00-5	
Trichloroethene	**1.3**	ug/L	1.0	0.064	1		05/16/12 12:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 12:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 12:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 12:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 12:47	108-67-8	
Vinyl chloride	**0.37J**	ug/L	1.0	0.068	1		05/16/12 12:47	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 12:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	87-113		1		05/16/12 12:47	460-00-4	
Dibromofluoromethane (S)	109	%	86-112		1		05/16/12 12:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	82-119		1		05/16/12 12:47	17060-07-0	
Toluene-d8 (S)	98	%	90-110		1		05/16/12 12:47	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 12:47		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-05 **Lab ID: 60121124005** Collected: 05/09/12 14:35 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**4.5J**	ug/L	10.0	2.2	1		05/16/12 13:02	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 13:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 13:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 13:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 13:02	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 13:02	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 13:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 13:02	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 13:02	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 13:02	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 13:02	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 13:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 13:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 13:02	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 13:02	75-00-3	
Chloroform	**0.13J**	ug/L	1.0	0.087	1		05/16/12 13:02	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 13:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 13:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 13:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 13:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 13:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 13:02	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 13:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 13:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 13:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 13:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 13:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 13:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 13:02	107-06-2	
1,2-Dichloroethene (Total)	**0.28J**	ug/L	1.0	0.12	1		05/16/12 13:02	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 13:02	75-35-4	
cis-1,2-Dichloroethene	**0.28J**	ug/L	1.0	0.086	1		05/16/12 13:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/16/12 13:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 13:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 13:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 13:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 13:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 13:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 13:02	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 13:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 13:02	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 13:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 13:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 13:02	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 13:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	**0.54J**	ug/L	10.0	0.33	1		05/16/12 13:02	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-05 **Lab ID: 60121124005** Collected: 05/09/12 14:35 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 13:02	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 13:02	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 13:02	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 13:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 13:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 13:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/16/12 13:02	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 13:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 13:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 13:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 13:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 13:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.064	1		05/16/12 13:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 13:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 13:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 13:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 13:02	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/16/12 13:02	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 13:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	87-113		1		05/16/12 13:02	460-00-4	
Dibromofluoromethane (S)	99	%	86-112		1		05/16/12 13:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	82-119		1		05/16/12 13:02	17060-07-0	
Toluene-d8 (S)	99	%	90-110		1		05/16/12 13:02	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 13:02		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-06 **Lab ID: 60121124006** Collected: 05/09/12 15:50 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	2.2	1		05/16/12 13:18	67-64-1	
Benzene	**0.12J**	ug/L	1.0	0.070	1		05/16/12 13:18	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 13:18	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 13:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 13:18	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 13:18	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 13:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 13:18	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 13:18	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 13:18	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 13:18	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 13:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 13:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 13:18	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 13:18	75-00-3	
Chloroform	**0.19J**	ug/L	1.0	0.087	1		05/16/12 13:18	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 13:18	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 13:18	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 13:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 13:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 13:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 13:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 13:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 13:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 13:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 13:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 13:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 13:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 13:18	107-06-2	
1,2-Dichloroethene (Total)	**10.5**	ug/L	1.0	0.12	1		05/16/12 13:18	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 13:18	75-35-4	
cis-1,2-Dichloroethene	**8.9**	ug/L	1.0	0.086	1		05/16/12 13:18	156-59-2	
trans-1,2-Dichloroethene	**1.6**	ug/L	1.0	0.085	1		05/16/12 13:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 13:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 13:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 13:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 13:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 13:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 13:18	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 13:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 13:18	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 13:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 13:18	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 13:18	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 13:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 13:18	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-050912-NL-06 **Lab ID: 60121124006** Collected: 05/09/12 15:50 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 13:18	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 13:18	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 13:18	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 13:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 13:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 13:18	79-34-5	
Tetrachloroethene	**1.3**	ug/L	1.0	0.073	1		05/16/12 13:18	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 13:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 13:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 13:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 13:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 13:18	79-00-5	
Trichloroethene	**20.3**	ug/L	1.0	0.064	1		05/16/12 13:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 13:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 13:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 13:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 13:18	108-67-8	
Vinyl chloride	**0.32J**	ug/L	1.0	0.068	1		05/16/12 13:18	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 13:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	87-113		1		05/16/12 13:18	460-00-4	
Dibromofluoromethane (S)	101	%	86-112		1		05/16/12 13:18	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	82-119		1		05/16/12 13:18	17060-07-0	
Toluene-d8 (S)	98	%	90-110		1		05/16/12 13:18	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 13:18		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-07 **Lab ID: 60121124007** Collected: 05/10/12 09:55 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	2.2	1		05/16/12 13:33	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 13:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 13:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 13:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 13:33	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 13:33	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 13:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 13:33	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 13:33	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 13:33	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 13:33	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 13:33	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 13:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 13:33	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 13:33	75-00-3	
Chloroform	**0.16J**	ug/L	1.0	0.087	1		05/16/12 13:33	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 13:33	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 13:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 13:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 13:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 13:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 13:33	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 13:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 13:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 13:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 13:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 13:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 13:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 13:33	107-06-2	
1,2-Dichloroethene (Total)	**0.94J**	ug/L	1.0	0.12	1		05/16/12 13:33	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 13:33	75-35-4	
cis-1,2-Dichloroethene	**0.94J**	ug/L	1.0	0.086	1		05/16/12 13:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/16/12 13:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 13:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 13:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 13:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 13:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 13:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 13:33	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 13:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 13:33	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 13:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 13:33	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 13:33	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 13:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 13:33	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-07 **Lab ID: 60121124007** Collected: 05/10/12 09:55 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 13:33	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 13:33	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 13:33	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 13:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 13:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 13:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/16/12 13:33	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 13:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 13:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 13:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 13:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 13:33	79-00-5	
Trichloroethene	**0.24J**	ug/L	1.0	0.064	1		05/16/12 13:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 13:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 13:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 13:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 13:33	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/16/12 13:33	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 13:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	87-113		1		05/16/12 13:33	460-00-4	
Dibromofluoromethane (S)	101	%	86-112		1		05/16/12 13:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	82-119		1		05/16/12 13:33	17060-07-0	
Toluene-d8 (S)	99	%	90-110		1		05/16/12 13:33	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 13:33		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-08 **Lab ID: 60121124008** Collected: 05/10/12 10:50 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**6.7J**	ug/L	10.0	2.2	1		05/16/12 13:49	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 13:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 13:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 13:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 13:49	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 13:49	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 13:49	74-83-9	
2-Butanone (MEK)	**2.7J**	ug/L	10.0	0.41	1		05/16/12 13:49	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 13:49	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 13:49	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 13:49	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 13:49	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 13:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 13:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 13:49	75-00-3	
Chloroform	**0.18J**	ug/L	1.0	0.087	1		05/16/12 13:49	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 13:49	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 13:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 13:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 13:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 13:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 13:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 13:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 13:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 13:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 13:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 13:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 13:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 13:49	107-06-2	
1,2-Dichloroethene (Total)	**0.70J**	ug/L	1.0	0.12	1		05/16/12 13:49	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 13:49	75-35-4	
cis-1,2-Dichloroethene	**0.70J**	ug/L	1.0	0.086	1		05/16/12 13:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/16/12 13:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 13:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 13:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 13:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 13:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 13:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 13:49	10061-02-6	
Ethylbenzene	**0.16J**	ug/L	1.0	0.078	1		05/16/12 13:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 13:49	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 13:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 13:49	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 13:49	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 13:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 13:49	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-08 **Lab ID: 60121124008** Collected: 05/10/12 10:50 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 13:49	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 13:49	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 13:49	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 13:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 13:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 13:49	79-34-5	
Tetrachloroethene	**0.80J**	ug/L	1.0	0.073	1		05/16/12 13:49	127-18-4	
Toluene	**0.15J**	ug/L	1.0	0.064	1		05/16/12 13:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 13:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 13:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 13:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 13:49	79-00-5	
Trichloroethene	**2.5**	ug/L	1.0	0.064	1		05/16/12 13:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 13:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 13:49	96-18-4	
1,2,4-Trimethylbenzene	**0.26J**	ug/L	1.0	0.060	1		05/16/12 13:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 13:49	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/16/12 13:49	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 13:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	87-113		1		05/16/12 13:49	460-00-4	
Dibromofluoromethane (S)	101	%	86-112		1		05/16/12 13:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	82-119		1		05/16/12 13:49	17060-07-0	
Toluene-d8 (S)	99	%	90-110		1		05/16/12 13:49	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 13:49		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-09 **Lab ID: 60121124009** Collected: 05/10/12 12:10 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	2.2	1		05/16/12 14:04	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 14:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 14:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 14:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 14:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 14:04	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 14:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 14:04	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 14:04	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 14:04	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 14:04	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 14:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 14:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 14:04	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 14:04	75-00-3	
Chloroform	**0.18J**	ug/L	1.0	0.087	1		05/16/12 14:04	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 14:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 14:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 14:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 14:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 14:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 14:04	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 14:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 14:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 14:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 14:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 14:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 14:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 14:04	107-06-2	
1,2-Dichloroethene (Total)	**209**	ug/L	1.0	0.12	1		05/16/12 14:04	540-59-0	
1,1-Dichloroethene	**0.13J**	ug/L	1.0	0.13	1		05/16/12 14:04	75-35-4	
cis-1,2-Dichloroethene	**197**	ug/L	1.0	0.086	1		05/16/12 14:04	156-59-2	
trans-1,2-Dichloroethene	**12.1**	ug/L	1.0	0.085	1		05/16/12 14:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 14:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 14:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 14:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 14:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 14:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 14:04	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 14:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 14:04	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 14:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 14:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 14:04	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 14:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 14:04	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-09 **Lab ID: 60121124009** Collected: 05/10/12 12:10 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 14:04	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 14:04	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 14:04	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 14:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 14:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 14:04	79-34-5	
Tetrachloroethene	**34.0**	ug/L	1.0	0.073	1		05/16/12 14:04	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 14:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 14:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 14:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 14:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 14:04	79-00-5	
Trichloroethene	**27.5**	ug/L	1.0	0.064	1		05/16/12 14:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 14:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 14:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 14:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 14:04	108-67-8	
Vinyl chloride	**0.84J**	ug/L	1.0	0.068	1		05/16/12 14:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 14:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	87-113		1		05/16/12 14:04	460-00-4	
Dibromofluoromethane (S)	102	%	86-112		1		05/16/12 14:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	82-119		1		05/16/12 14:04	17060-07-0	
Toluene-d8 (S)	97	%	90-110		1		05/16/12 14:04	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 14:04		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-10 **Lab ID: 60121124010** Collected: 05/10/12 13:05 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	2.2	1		05/16/12 14:20	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 14:20	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 14:20	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 14:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 14:20	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 14:20	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 14:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 14:20	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 14:20	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 14:20	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 14:20	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 14:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 14:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 14:20	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 14:20	75-00-3	
Chloroform	**0.16J**	ug/L	1.0	0.087	1		05/16/12 14:20	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 14:20	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 14:20	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 14:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 14:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 14:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 14:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 14:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 14:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 14:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 14:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 14:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 14:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 14:20	107-06-2	
1,2-Dichloroethene (Total)	**33.3**	ug/L	1.0	0.12	1		05/16/12 14:20	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 14:20	75-35-4	
cis-1,2-Dichloroethene	**30.5**	ug/L	1.0	0.086	1		05/16/12 14:20	156-59-2	
trans-1,2-Dichloroethene	**2.8**	ug/L	1.0	0.085	1		05/16/12 14:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 14:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 14:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 14:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 14:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 14:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 14:20	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 14:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 14:20	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 14:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 14:20	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 14:20	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 14:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 14:20	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-10 **Lab ID: 60121124010** Collected: 05/10/12 13:05 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 14:20	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 14:20	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 14:20	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 14:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 14:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 14:20	79-34-5	
Tetrachloroethene	**1.3**	ug/L	1.0	0.073	1		05/16/12 14:20	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 14:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 14:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 14:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 14:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 14:20	79-00-5	
Trichloroethene	**8.9**	ug/L	1.0	0.064	1		05/16/12 14:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 14:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 14:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 14:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 14:20	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/16/12 14:20	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 14:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	87-113		1		05/16/12 14:20	460-00-4	
Dibromofluoromethane (S)	102	%	86-112		1		05/16/12 14:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	82-119		1		05/16/12 14:20	17060-07-0	
Toluene-d8 (S)	98	%	90-110		1		05/16/12 14:20	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 14:20		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-11 **Lab ID: 60121124011** Collected: 05/10/12 14:30 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	2.2	1		05/16/12 14:35	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 14:35	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 14:35	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 14:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 14:35	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 14:35	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 14:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 14:35	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 14:35	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 14:35	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 14:35	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 14:35	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 14:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 14:35	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 14:35	75-00-3	
Chloroform	**0.17J**	ug/L	1.0	0.087	1		05/16/12 14:35	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 14:35	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 14:35	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 14:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 14:35	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 14:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 14:35	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 14:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 14:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 14:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 14:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 14:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 14:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 14:35	107-06-2	
1,2-Dichloroethene (Total)	**0.55J**	ug/L	1.0	0.12	1		05/16/12 14:35	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 14:35	75-35-4	
cis-1,2-Dichloroethene	**0.55J**	ug/L	1.0	0.086	1		05/16/12 14:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/16/12 14:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 14:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 14:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 14:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 14:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 14:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 14:35	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 14:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 14:35	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 14:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 14:35	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 14:35	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 14:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 14:35	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-11 **Lab ID: 60121124011** Collected: 05/10/12 14:30 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 14:35	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 14:35	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 14:35	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 14:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 14:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 14:35	79-34-5	
Tetrachloroethene	**4.8**	ug/L	1.0	0.073	1		05/16/12 14:35	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 14:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 14:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 14:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 14:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 14:35	79-00-5	
Trichloroethene	**1.1**	ug/L	1.0	0.064	1		05/16/12 14:35	79-01-6	
Trichlorofluoromethane	**1.8**	ug/L	1.0	0.064	1		05/16/12 14:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 14:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 14:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 14:35	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/16/12 14:35	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 14:35	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	87-113		1		05/16/12 14:35	460-00-4	
Dibromofluoromethane (S)	101	%	86-112		1		05/16/12 14:35	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	82-119		1		05/16/12 14:35	17060-07-0	
Toluene-d8 (S)	98	%	90-110		1		05/16/12 14:35	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 14:35		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-FD **Lab ID: 60121124012** Collected: 05/10/12 00:01 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	2.2	1		05/16/12 14:51	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 14:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 14:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 14:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 14:51	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 14:51	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 14:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 14:51	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 14:51	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 14:51	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 14:51	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 14:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 14:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 14:51	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 14:51	75-00-3	
Chloroform	**0.17J**	ug/L	1.0	0.087	1		05/16/12 14:51	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 14:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 14:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 14:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 14:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 14:51	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 14:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 14:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 14:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 14:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 14:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 14:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 14:51	107-06-2	
1,2-Dichloroethene (Total)	**1.0**	ug/L	1.0	0.12	1		05/16/12 14:51	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 14:51	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	0.086	1		05/16/12 14:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/16/12 14:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 14:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 14:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 14:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 14:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 14:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 14:51	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 14:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 14:51	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 14:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 14:51	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 14:51	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 14:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 14:51	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: GW-051012-NL-FD **Lab ID: 60121124012** Collected: 05/10/12 00:01 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 14:51	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 14:51	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 14:51	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 14:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 14:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/16/12 14:51	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 14:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 14:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 14:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 14:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 14:51	79-00-5	
Trichloroethene	**0.14J**	ug/L	1.0	0.064	1		05/16/12 14:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 14:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 14:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 14:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 14:51	108-67-8	
Vinyl chloride	**0.11J**	ug/L	1.0	0.068	1		05/16/12 14:51	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 14:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	87-113		1		05/16/12 14:51	460-00-4	
Dibromofluoromethane (S)	98	%	86-112		1		05/16/12 14:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	82-119		1		05/16/12 14:51	17060-07-0	
Toluene-d8 (S)	99	%	90-110		1		05/16/12 14:51	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 14:51		

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: TRIP BLANK **Lab ID: 60121124013** Collected: 05/10/12 14:30 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	2.2	1		05/16/12 15:06	67-64-1	
Benzene	ND	ug/L	1.0	0.070	1		05/16/12 15:06	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.064	1		05/16/12 15:06	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.10	1		05/16/12 15:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		05/16/12 15:06	75-27-4	
Bromoform	ND	ug/L	1.0	0.15	1		05/16/12 15:06	75-25-2	
Bromomethane	ND	ug/L	1.0	0.22	1		05/16/12 15:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.41	1		05/16/12 15:06	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 15:06	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.047	1		05/16/12 15:06	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.066	1		05/16/12 15:06	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.053	1		05/16/12 15:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.23	1		05/16/12 15:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.093	1		05/16/12 15:06	108-90-7	
Chloroethane	ND	ug/L	1.0	0.19	1		05/16/12 15:06	75-00-3	
Chloroform	**0.27J**	ug/L	1.0	0.087	1		05/16/12 15:06	67-66-3	B
Chloromethane	ND	ug/L	1.0	0.24	1		05/16/12 15:06	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.19	1		05/16/12 15:06	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.12	1		05/16/12 15:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.66	1		05/16/12 15:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.091	1		05/16/12 15:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		05/16/12 15:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.12	1		05/16/12 15:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.077	1		05/16/12 15:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.068	1		05/16/12 15:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.072	1		05/16/12 15:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.15	1		05/16/12 15:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.079	1		05/16/12 15:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.080	1		05/16/12 15:06	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.12	1		05/16/12 15:06	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.13	1		05/16/12 15:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.086	1		05/16/12 15:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.085	1		05/16/12 15:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.045	1		05/16/12 15:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.097	1		05/16/12 15:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.11	1		05/16/12 15:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.088	1		05/16/12 15:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.066	1		05/16/12 15:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.080	1		05/16/12 15:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.078	1		05/16/12 15:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.11	1		05/16/12 15:06	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.50	1		05/16/12 15:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.069	1		05/16/12 15:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.065	1		05/16/12 15:06	99-87-6	
Methylene chloride	ND	ug/L	1.0	0.12	1		05/16/12 15:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.33	1		05/16/12 15:06	108-10-1	

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ANALYTICAL RESULTS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Sample: TRIP BLANK **Lab ID: 60121124013** Collected: 05/10/12 14:30 Received: 05/10/12 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.077	1		05/16/12 15:06	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.14	1		05/16/12 15:06	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.071	1		05/16/12 15:06	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		05/16/12 15:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 15:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.12	1		05/16/12 15:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.073	1		05/16/12 15:06	127-18-4	
Toluene	ND	ug/L	1.0	0.064	1		05/16/12 15:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.11	1		05/16/12 15:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.10	1		05/16/12 15:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.13	1		05/16/12 15:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.15	1		05/16/12 15:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.064	1		05/16/12 15:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.064	1		05/16/12 15:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.36	1		05/16/12 15:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.060	1		05/16/12 15:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.094	1		05/16/12 15:06	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.068	1		05/16/12 15:06	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		05/16/12 15:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	87-113		1		05/16/12 15:06	460-00-4	
Dibromofluoromethane (S)	102	%	86-112		1		05/16/12 15:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	82-119		1		05/16/12 15:06	17060-07-0	
Toluene-d8 (S)	97	%	90-110		1		05/16/12 15:06	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		05/16/12 15:06		

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QUALITY CONTROL DATA

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

QC Batch: MSV/45604 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60121124001, 60121124002, 60121124003, 60121124004, 60121124005, 60121124006, 60121124007, 60121124008, 60121124009, 60121124010, 60121124011, 60121124012, 60121124013

METHOD BLANK: 998744 Matrix: Water
Associated Lab Samples: 60121124001, 60121124002, 60121124003, 60121124004, 60121124005, 60121124006, 60121124007, 60121124008, 60121124009, 60121124010, 60121124011, 60121124012, 60121124013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/16/12 10:25	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/16/12 10:25	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/16/12 10:25	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/16/12 10:25	
1,1-Dichloroethane	ug/L	ND	1.0	05/16/12 10:25	
1,1-Dichloroethene	ug/L	ND	1.0	05/16/12 10:25	
1,1-Dichloropropene	ug/L	ND	1.0	05/16/12 10:25	
1,2,3-Trichlorobenzene	ug/L	0.24J	1.0	05/16/12 10:25	
1,2,3-Trichloropropane	ug/L	ND	2.5	05/16/12 10:25	
1,2,4-Trichlorobenzene	ug/L	0.18J	1.0	05/16/12 10:25	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/16/12 10:25	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	05/16/12 10:25	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/16/12 10:25	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/16/12 10:25	
1,2-Dichloroethane	ug/L	ND	1.0	05/16/12 10:25	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	05/16/12 10:25	
1,2-Dichloropropane	ug/L	ND	1.0	05/16/12 10:25	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/16/12 10:25	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/16/12 10:25	
1,3-Dichloropropane	ug/L	ND	1.0	05/16/12 10:25	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/16/12 10:25	
2,2-Dichloropropane	ug/L	ND	1.0	05/16/12 10:25	
2-Butanone (MEK)	ug/L	ND	10.0	05/16/12 10:25	
2-Chlorotoluene	ug/L	ND	1.0	05/16/12 10:25	
2-Hexanone	ug/L	ND	10.0	05/16/12 10:25	
4-Chlorotoluene	ug/L	ND	1.0	05/16/12 10:25	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/16/12 10:25	
Acetone	ug/L	ND	10.0	05/16/12 10:25	
Benzene	ug/L	ND	1.0	05/16/12 10:25	
Bromobenzene	ug/L	ND	1.0	05/16/12 10:25	
Bromochloromethane	ug/L	ND	1.0	05/16/12 10:25	
Bromodichloromethane	ug/L	ND	1.0	05/16/12 10:25	
Bromoform	ug/L	ND	1.0	05/16/12 10:25	
Bromomethane	ug/L	ND	1.0	05/16/12 10:25	
Carbon disulfide	ug/L	ND	5.0	05/16/12 10:25	
Carbon tetrachloride	ug/L	ND	1.0	05/16/12 10:25	
Chlorobenzene	ug/L	ND	1.0	05/16/12 10:25	
Chloroethane	ug/L	ND	1.0	05/16/12 10:25	
Chloroform	ug/L	0.15J	1.0	05/16/12 10:25	
Chloromethane	ug/L	ND	1.0	05/16/12 10:25	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/16/12 10:25	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

METHOD BLANK: 998744 Matrix: Water

Associated Lab Samples: 60121124001, 60121124002, 60121124003, 60121124004, 60121124005, 60121124006, 60121124007, 60121124008, 60121124009, 60121124010, 60121124011, 60121124012, 60121124013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/16/12 10:25	
Dibromochloromethane	ug/L	ND	1.0	05/16/12 10:25	
Dibromomethane	ug/L	ND	1.0	05/16/12 10:25	
Dichlorodifluoromethane	ug/L	ND	1.0	05/16/12 10:25	
Ethylbenzene	ug/L	ND	1.0	05/16/12 10:25	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	05/16/12 10:25	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/16/12 10:25	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/16/12 10:25	
Methylene chloride	ug/L	ND	1.0	05/16/12 10:25	
n-Butylbenzene	ug/L	ND	1.0	05/16/12 10:25	
n-Propylbenzene	ug/L	ND	1.0	05/16/12 10:25	
Naphthalene	ug/L	0.24J	10.0	05/16/12 10:25	
p-Isopropyltoluene	ug/L	ND	1.0	05/16/12 10:25	
sec-Butylbenzene	ug/L	ND	1.0	05/16/12 10:25	
Styrene	ug/L	ND	1.0	05/16/12 10:25	
tert-Butylbenzene	ug/L	ND	1.0	05/16/12 10:25	
Tetrachloroethene	ug/L	ND	1.0	05/16/12 10:25	
Toluene	ug/L	ND	1.0	05/16/12 10:25	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/16/12 10:25	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/16/12 10:25	
Trichloroethene	ug/L	ND	1.0	05/16/12 10:25	
Trichlorofluoromethane	ug/L	ND	1.0	05/16/12 10:25	
Vinyl chloride	ug/L	ND	1.0	05/16/12 10:25	
Xylene (Total)	ug/L	ND	3.0	05/16/12 10:25	
1,2-Dichloroethane-d4 (S)	%	96	82-119	05/16/12 10:25	
4-Bromofluorobenzene (S)	%	97	87-113	05/16/12 10:25	
Dibromofluoromethane (S)	%	102	86-112	05/16/12 10:25	
Toluene-d8 (S)	%	98	90-110	05/16/12 10:25	

LABORATORY CONTROL SAMPLE: 998745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.9	105	81-121	
1,1,1-Trichloroethane	ug/L	20	20.2	101	82-119	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	78-124	
1,1,2-Trichloroethane	ug/L	20	20.8	104	79-121	
1,1-Dichloroethane	ug/L	20	19.2	96	73-119	
1,1-Dichloroethene	ug/L	20	21.3	106	75-120	
1,1-Dichloropropene	ug/L	20	21.3	106	79-123	
1,2,3-Trichlorobenzene	ug/L	20	19.2	96	73-122	
1,2,3-Trichloropropane	ug/L	20	19.6	98	77-124	
1,2,4-Trichlorobenzene	ug/L	20	19.9	99	75-120	
1,2,4-Trimethylbenzene	ug/L	20	19.0	95	77-120	
1,2-Dibromo-3-chloropropane	ug/L	20	19.8	99	69-125	

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QUALITY CONTROL DATA

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

LABORATORY CONTROL SAMPLE: 998745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	21.1	106	85-121	
1,2-Dichlorobenzene	ug/L	20	20.0	100	82-115	
1,2-Dichloroethane	ug/L	20	20.4	102	77-125	
1,2-Dichloroethene (Total)	ug/L	40	40.9	102	79-120	
1,2-Dichloropropane	ug/L	20	19.8	99	83-119	
1,3,5-Trimethylbenzene	ug/L	20	18.7	94	79-121	
1,3-Dichlorobenzene	ug/L	20	19.8	99	79-117	
1,3-Dichloropropane	ug/L	20	19.1	96	78-116	
1,4-Dichlorobenzene	ug/L	20	20.1	100	83-115	
2,2-Dichloropropane	ug/L	20	21.6	108	66-123	
2-Butanone (MEK)	ug/L	100	108	108	43-165	
2-Chlorotoluene	ug/L	20	18.8	94	81-117	
2-Hexanone	ug/L	100	101	101	47-159	
4-Chlorotoluene	ug/L	20	20.7	103	84-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	71-129	
Acetone	ug/L	100	104	104	18-192	
Benzene	ug/L	20	20.5	102	82-117	
Bromobenzene	ug/L	20	19.4	97	83-116	
Bromochloromethane	ug/L	20	21.5	107	79-121	
Bromodichloromethane	ug/L	20	20.8	104	79-114	
Bromoform	ug/L	20	23.1	116	78-121	
Bromomethane	ug/L	20	22.9	114	36-146	
Carbon disulfide	ug/L	20	19.9	100	75-138	
Carbon tetrachloride	ug/L	20	20.5	103	80-123	
Chlorobenzene	ug/L	20	20.2	101	83-121	
Chloroethane	ug/L	20	23.4	117	42-166	
Chloroform	ug/L	20	19.2	96	82-116	
Chloromethane	ug/L	20	21.7	108	32-127	
cis-1,2-Dichloroethene	ug/L	20	18.7	94	80-119	
cis-1,3-Dichloropropene	ug/L	20	21.8	109	76-119	
Dibromochloromethane	ug/L	20	21.5	108	81-123	
Dibromomethane	ug/L	20	20.7	103	79-123	
Dichlorodifluoromethane	ug/L	20	23.7	119	10-163	
Ethylbenzene	ug/L	20	19.7	99	79-121	
Hexachloro-1,3-butadiene	ug/L	20	19.9	99	78-125	
Isopropylbenzene (Cumene)	ug/L	20	21.0	105	80-120	
Methyl-tert-butyl ether	ug/L	20	20.5	103	78-119	
Methylene chloride	ug/L	20	20.4	102	75-118	
n-Butylbenzene	ug/L	20	19.8	99	80-126	
n-Propylbenzene	ug/L	20	19.3	97	83-116	
Naphthalene	ug/L	20	18.5	93	66-133	
p-Isopropyltoluene	ug/L	20	19.7	98	77-120	
sec-Butylbenzene	ug/L	20	19.3	97	81-120	
Styrene	ug/L	20	20.5	102	84-115	
tert-Butylbenzene	ug/L	20	19.4	97	80-117	
Tetrachloroethene	ug/L	20	19.6	98	80-124	
Toluene	ug/L	20	19.1	96	80-120	
trans-1,2-Dichloroethene	ug/L	20	22.2	111	79-120	

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QUALITY CONTROL DATA

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

LABORATORY CONTROL SAMPLE: 998745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	21.7	108	76-118	
Trichloroethene	ug/L	20	19.7	98	76-122	
Trichlorofluoromethane	ug/L	20	21.5	107	72-120	
Vinyl chloride	ug/L	20	23.8	119	57-163	
Xylene (Total)	ug/L	60	58.6	98	75-120	
1,2-Dichloroethane-d4 (S)	%			96	82-119	
4-Bromofluorobenzene (S)	%			97	87-113	
Dibromofluoromethane (S)	%			104	86-112	
Toluene-d8 (S)	%			98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 998746 998747

Parameter	Units	60121124001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.9	20.9	105	104	56-124	0	26	
1,1,1-Trichloroethane	ug/L	ND	20	20	22.4	22.1	112	110	57-128	2	27	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	19.4	19.8	97	99	48-137	2	26	
1,1,2-Trichloroethane	ug/L	ND	20	20	20.4	20.2	102	101	57-136	1	25	
1,1-Dichloroethane	ug/L	ND	20	20	20.3	20.3	102	101	55-130	0	27	
1,1-Dichloroethene	ug/L	ND	20	20	23.6	23.2	118	116	46-146	1	25	
1,1-Dichloropropene	ug/L	ND	20	20	23.8	23.7	119	118	57-137	0	27	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	18.1	19.8	90	99	41-136	9	22	
1,2,3-Trichloropropane	ug/L	ND	20	20	19.2	19.5	96	97	56-136	2	24	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	19.5	20.2	98	101	32-140	4	26	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	19.6	19.2	98	96	42-133	2	23	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	19.0	19.7	95	99	36-167	4	29	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20.6	20.8	103	104	45-155	1	21	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.0	19.8	100	99	54-125	1	19	
1,2-Dichloroethane	ug/L	ND	20	20	20.2	20.5	101	102	44-145	2	22	
1,2-Dichloroethene (Total)	ug/L	7.0	40	40	50.6	50.1	109	108	46-144	1	26	
1,2-Dichloropropane	ug/L	ND	20	20	20.9	20.7	105	104	60-124	1	26	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	19.8	19.3	99	97	38-143	2	27	
1,3-Dichlorobenzene	ug/L	ND	20	20	20.0	19.7	100	99	53-123	1	24	
1,3-Dichloropropane	ug/L	ND	20	20	19.5	18.9	97	95	61-130	3	27	
1,4-Dichlorobenzene	ug/L	ND	20	20	20.5	19.9	102	99	53-121	3	25	
2,2-Dichloropropane	ug/L	ND	20	20	21.3	20.9	106	104	21-146	2	25	
2-Butanone (MEK)	ug/L	ND	100	100	95.6	99.8	96	100	29-131	4	27	
2-Chlorotoluene	ug/L	ND	20	20	19.9	19.6	100	98	54-131	1	21	
2-Hexanone	ug/L	ND	100	100	94.2	94.7	94	95	41-137	1	24	
4-Chlorotoluene	ug/L	ND	20	20	21.2	20.4	106	102	56-130	4	22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	102	104	102	104	38-139	2	25	
Acetone	ug/L	9.6J	100	100	105	97.5	96	88	30-147	8	30	
Benzene	ug/L	ND	20	20	21.9	21.6	109	108	58-139	1	21	
Bromobenzene	ug/L	ND	20	20	20.1	19.6	100	98	57-123	2	21	
Bromochloromethane	ug/L	ND	20	20	21.4	21.8	107	109	56-127	2	24	
Bromodichloromethane	ug/L	ND	20	20	20.7	20.6	104	103	56-125	1	26	
Bromoform	ug/L	ND	20	20	21.4	21.4	107	107	41-132	0	21	

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Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 998746 998747

Parameter	Units	60121124001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromomethane	ug/L	ND	20	20	20.2	23.1	101	116	11-162	13	30	
Carbon disulfide	ug/L	ND	20	20	21.4	21.5	107	107	28-155	0	25	
Carbon tetrachloride	ug/L	ND	20	20	23.4	23.4	117	117	54-138	0	23	
Chlorobenzene	ug/L	ND	20	20	20.6	20.3	103	102	56-129	1	21	
Chloroethane	ug/L	ND	20	20	24.6	24.0	123	120	42-178	2	33	
Chloroform	ug/L	0.15J	20	20	19.7	19.7	98	98	55-130	0	23	
Chloromethane	ug/L	ND	20	20	18.9	18.5	95	92	39-141	2	29	
cis-1,2-Dichloroethene	ug/L	6.1	20	20	26.1	25.2	100	95	34-152	4	26	
cis-1,3-Dichloropropene	ug/L	ND	20	20	21.1	20.8	105	104	49-128	1	23	
Dibromochloromethane	ug/L	ND	20	20	21.3	20.9	106	105	57-119	2	21	
Dibromomethane	ug/L	ND	20	20	21.0	20.5	105	103	58-123	2	26	
Dichlorodifluoromethane	ug/L	ND	20	20	17.5	17.4	87	87	13-152	1	33	
Ethylbenzene	ug/L	ND	20	20	21.4	20.5	107	103	56-138	4	19	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20.4	21.1	102	106	34-141	4	27	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	22.9	22.0	115	110	49-120	4	19	
Methyl-tert-butyl ether	ug/L	ND	20	20	20.2	20.6	101	103	35-140	2	20	
Methylene chloride	ug/L	ND	20	20	20.7	20.2	103	101	44-133	2	27	
n-Butylbenzene	ug/L	ND	20	20	20.7	20.9	104	104	44-138	1	27	
n-Propylbenzene	ug/L	ND	20	20	20.9	20.7	104	103	46-136	1	22	
Naphthalene	ug/L	ND	20	20	17.5	18.9	87	95	26-159	8	34	
p-Isopropyltoluene	ug/L	ND	20	20	20.8	20.4	104	102	47-129	2	23	
sec-Butylbenzene	ug/L	ND	20	20	21.2	20.7	106	104	51-138	2	23	
Styrene	ug/L	ND	20	20	20.4	20.0	102	100	31-162	2	26	
tert-Butylbenzene	ug/L	ND	20	20	21.0	20.6	105	103	54-135	2	22	
Tetrachloroethene	ug/L	ND	20	20	21.9	21.3	110	106	47-140	3	24	
Toluene	ug/L	ND	20	20	20.2	19.6	101	98	59-140	3	19	
trans-1,2-Dichloroethene	ug/L	0.89J	20	20	24.5	24.9	118	120	62-130	2	25	
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.4	20.9	102	105	41-111	2	20	
Trichloroethene	ug/L	ND	20	20	21.5	20.9	108	105	37-148	3	25	
Trichlorofluoromethane	ug/L	ND	20	20	23.7	23.4	119	117	53-138	1	30	
Vinyl chloride	ug/L	ND	20	20	23.6	23.5	118	117	47-133	0	32	
Xylene (Total)	ug/L	ND	60	60	61.3	59.9	102	100	52-146	2	19	
1,2-Dichloroethane-d4 (S)	%						96	97	82-119			
4-Bromofluorobenzene (S)	%						99	98	87-113			
Dibromofluoromethane (S)	%						102	100	86-112			
Toluene-d8 (S)	%						100	98	90-110			
Preservation pH		1.0			1.0	1.0				0		

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

QC Batch: MSV/45652 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60121124002, 60121124003

METHOD BLANK: 999593 Matrix: Water
Associated Lab Samples: 60121124002, 60121124003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethene (Total)	ug/L	ND	1.0	05/18/12 09:11	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/18/12 09:11	
Trichloroethene	ug/L	ND	1.0	05/18/12 09:11	
Vinyl chloride	ug/L	ND	1.0	05/18/12 09:11	
1,2-Dichloroethane-d4 (S)	%	97	82-119	05/18/12 09:11	
4-Bromofluorobenzene (S)	%	98	87-113	05/18/12 09:11	
Dibromofluoromethane (S)	%	103	86-112	05/18/12 09:11	
Toluene-d8 (S)	%	98	90-110	05/18/12 09:11	

LABORATORY CONTROL SAMPLE: 999594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/L	40	42.2	106	79-120	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	80-119	
Trichloroethene	ug/L	20	21.6	108	76-122	
Vinyl chloride	ug/L	20	22.0	110	57-163	
1,2-Dichloroethane-d4 (S)	%			97	82-119	
4-Bromofluorobenzene (S)	%			96	87-113	
Dibromofluoromethane (S)	%			102	86-112	
Toluene-d8 (S)	%			97	90-110	

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QUALIFIERS

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MSV/45652

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRFAX PLANT SITES I & II
Pace Project No.: 60121124

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60121124001	**GW-050912-NL-01**	EPA 5030B/8260	MSV/45604		
60121124002	**GW-050912-NL-02**	EPA 5030B/8260	MSV/45604		
60121124002	**GW-050912-NL-02**	EPA 5030B/8260	MSV/45652		
60121124003	**GW-050912-NL-03**	EPA 5030B/8260	MSV/45604		
60121124003	**GW-050912-NL-03**	EPA 5030B/8260	MSV/45652		
60121124004	**GW-050912-NL-04**	EPA 5030B/8260	MSV/45604		
60121124005	**GW-050912-NL-05**	EPA 5030B/8260	MSV/45604		
60121124006	**GW-050912-NL-06**	EPA 5030B/8260	MSV/45604		
60121124007	**GW-051012-NL-07**	EPA 5030B/8260	MSV/45604		
60121124008	**GW-051012-NL-08**	EPA 5030B/8260	MSV/45604		
60121124009	**GW-051012-NL-09**	EPA 5030B/8260	MSV/45604		
60121124010	**GW-051012-NL-10**	EPA 5030B/8260	MSV/45604		
60121124011	**GW-051012-NL-11**	EPA 5030B/8260	MSV/45604		
60121124012	**GW-051012-NL-FD**	EPA 5030B/8260	MSV/45604		
60121124013	**TRIP BLANK**	EPA 5030B/8260	MSV/45604		

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Sample Condition Upon Receipt

Pace Analytical® www.pacelabs.com

Client Name: CRA Project # 60124124

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐Commercial ☐Pace ☐Other _____

Tracking #: _____ Pace Shipping Label Used? ☐ Yes ☑ No

Custody Seal on Cooler/Box Present: ☐Yes ☑ No Seals intact: ☐ Yes ☑ No

Optional
Proj. Due Date: 5/24/12
Proj. Name:

Packing Material: ☐Bubble Wrap ☐Bubble Bags ☑Foam ☐None ☑Other Zip IC

Thermometer Used: T-191 / T-194 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 4.5

Temperature should be above freezing to 6°C

Date and Initials of person examining contents: AV 5-10-12

Comments:

Chain of Custody present:	☑Yes	☐No	☐N/A 1.
Chain of Custody filled out:	☑Yes	☐No	☐N/A 2.
Chain of Custody relinquished:	☑Yes	☐No	☐N/A 3.
Sampler name & signature on COC:	☑Yes	☐No	☐N/A 4.
Samples arrived within holding time:	☑Yes	☐No	☐N/A 5.
Short Hold Time analyses (<72hr):	☐Yes	☑No	☐N/A 6.
Rush Turn Around Time requested:	☐Yes	☑No	☐N/A 7.
Sufficient volume:	☑Yes	☐No	☐N/A 8.
Correct containers used:	☑Yes	☐No	☐N/A 9.
-Pace containers used:	☑Yes	☐No	☐N/A
Containers intact:	☑Yes	☐No	☐N/A 10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes	☐No	☑N/A 11.
Filtered volume received for dissolved tests	☐Yes	☐No	☑N/A 12.
Sample labels match COC:	☑Yes	☐No	☐N/A 13.
-Includes date/time/ID/analyses Matrix: WT			
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A 14.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	☑Yes	☐No	Initial when completed _____ Lot # of added preservative _____
Trip Blank present:	☑Yes	☐No	☐N/A 15.
Pace Trip Blank lot # (if purchased): 042312-3			
Headspace in VOA vials (>6mm):	☐Yes	☑No	☐N/A 16.
Project sampled in USDA Regulated Area:	☐Yes	☐No	☑N/A 17. List State: _____

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 5/10/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Conestoga Rovers & Associates	Report To:	Phil Harvey	Attention:	
Address:	8615 W. Bryn Mawr		Travis Kogl/Susan Scrochi	Company Name:	RACER/ENFOS
	Chicago, IL 60631	Copy To:	Julie Lidstone	Address:	
Email To:	pharvey@craworld.com	Purchase Order No.	TO 012559-TO2 (SITE 1289-1)	Pace Quote Reference:	
Phone:	773-380-9933 Fax	Client Project ID:	FAIRFAX PLANT SITES I & II	Pace Project Manager:	Angie Brown 913-563-1402
Requested Due Date/TAT:	10 Day (Default)	Container Order Number:		Pace Profile #:	

Regulatory Agency
KDHE
State / Location
KANSAS

ITEM#	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	VOCs EPA 8260	Paint Filter EPA 9095	TCLP VOCs EPA 8260	TCLP SVOCs EPA 8270	TCLP PEST EPA 8081	TCLP HERB EPA 8151	Ignitability EPA 1010	Reactive CN 9012	Reactive S 9030	pH EPA 9040/9045	PCBs EPA 8082	Residual Chlorine (Y/N)	6012/24	
1	GW-050912-NL-01					5/9	10:30		9				X						X		~~30~~				9	D	G	14		MS/MSD - TRIPLE VOL	001
2	GW-050912-NL-02						11:45		3				X						X		PM 5-10-12	~~6~~			3	D	G	14		***** JFLAGS REQUIRED *****	002
3	GW-050912-NL-03						12:45		3				X						X												003
4	GW-050912-NL-04						13:55		3				X						X												004
5	GW-050912-NL-05						14:35		3				X						X												005
6	GW-050912-NL-06						15:50		3				X						X												006
7	GW-051012-NL-07					5/10	9:55		3				X						X												007
8	GW-051012-NL-08						10:50		3				X						X												008
9	GW-051012-NL-09						12:10		3				X						X												009
10	GW-051012-NL-10						13:05		3				X						X												010
11	GW-051012-NL-11						14:30		3				X						X												011
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	N. LASKARES/CRA	5/10			5/10/12	1455	4.5	Y	N	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	N. LASKARES		
SIGNATURE of SAMPLER:		DATE Signed:	5/10/12

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Conestoga Rovers & Associates	Report To:	Phil Harvey	Attention:	
Address:	8615 W. Bryn Mawr		Travis Kogl/Susan Scrochi	Company Name:	RACER/ENFOS
	Chicago, IL 60631	Copy To:	Julie Lidstone	Address:	
Email To:	pharvey@craworld.com	Purchase Order No.	TO 012559-TO2 (SITE 1289-1)	Pace Quote Reference:	
Phone:	773-380-9933 Fax	Client Project ID:	FAIRFAX PLANT SITES I & II	Pace Project Manager:	Angie Brown 913-563-1402
Requested Due Date/TAT:	10 Day (Default)	Container Order Number:		Pace Profile #:	

Regulatory Agency
KDHE
State / Location
KANSAS

ITEM#	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	VOCs EPA 8260	Paint Filter EPA 9095	TCLP VOCs EPA 8260	TCLP SVOCs EPA 8270	TCLP PEST EPA 8081	TCLP HERB EPA 8151	Ignitability EPA 1010	Reactive CN 9012	Reactive S 9030	pH EPA 9040/9045	PCBs EPA 8082	Residual Chlorine (Y/N)	60121124
1	GW-051012-NL-FD					5/10	00:01		3				X						X		3	D	Y	H						012
2	TRIP BLANK					5/10	14:30		2				X						X		2	D	Y	H						***** JFLAGS REQUIRED ***** 013
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	N. LASKARES/CRA	5/10			5/10/12	1455	4.5	Y	N	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: N. LASKARES

SIGNATURE of SAMPLER: N. Laskares DATE Signed: 5/10/12

APPENDIX G

GEOTECHNICAL DATA

TABLE G.1

SOIL SAMPLE SUMMARY - GEOTECHNICAL SAMPLES
APRIL 2012
FORMER FAIRFAX 1 SITE
KANSAS CITY, KANSAS

Sample Number	*Sample Location*	*Sample Date*	*Sample Depth Interval (feet BGS)* [1]	*Analyses*
SB-306 18 - 20	SB-306	4/19/2012	18/20	Grain size, Atterberg limits, porosity
SB-307 18 - 20	SB-307	4/19/2012	18/20	Grain size, Atterberg limits, porosity

[1] BGS - below ground surface

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

May 24, 2012

Phil Harvey
Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

RE: Project: FAIRFAX I
Pace Project No.: 60119881

Dear Phil Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on April 19, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angie Brown

Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Travis Kogl, Conestoga-Rovers & Associates

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Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: FAIRFAX I
Pace Project No.: 60119881

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60119881001	**SB-306 18-20**	Solid	04/19/12 09:00	04/19/12 11:40
60119881002	**SB-307 18-20**	Solid	04/19/12 10:00	04/19/12 11:40

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Lenexa, KS 66219
(913)599-5665

PROJECT NARRATIVE

Project:
Pace Project No.:

Method:
Description:
Client:
Date:

This data package has been reviewed for quality and completeness and is approved for release.

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May 23, 2012

Ms. Angie Brown
Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, Kansas 66219

Fax # (913) 599-1759 **(7 Pages)**

GM Fairfax, #60119881, SUB-6285; (A-OG Project #12-219T)

Dear Ms. Brown:

We have completed our laboratory testing services for your above-referenced project.

The detailed results of these tests are enclosed. As you directed, these testing services were provided in accordance with test methods that you specified.

If you have any questions regarding this information or require any further testing, please contact me at your convenience. We enjoy doing business with you.

Sincerely,
ALPHA-OMEGA GEOTECH, INC.

Thomas J. Burdick
Laboratory Manager

Enclosures

Alpha-Omega Geotech, Inc.
1701 State Avenue
Kansas City, Kansas 66102
Phone (913) 371-0000
Fax (913) 371-6710
www.aogeotech.com

AASHTO R16

Chain of Custody 12-219T

Pace Analytical
www.pacelabs.com

Workorder: 60119881 **Workorder Name:** GM FAIRFAX **Results Requested** 5/3/2012

Report / Invoice To	Subcontract To
Angie Brown Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665 Email: Angie.Brown@pacelabs.com	P.O. SUB-6285

Pace Package 5 of 12

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: none	Requested Analysis: Grain Size/Hydrometer ASTM D422	Atterberg Limits ASTM D4318	Porosity as Dry Bulk Density/Moisture & Specific Gravity	LAB USE ONLY
1	SB-306 (18-20)	4/19/2012 09:00	60119881001	Solid	1	X	X	X	
2	SB-307 (18-20)	4/19/2012 10:00	60119881002	Solid	1				
3									
4									
5									

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1		4/25/12 0935		4/25/12
2				
3				

Cooler Temperature on Receipt °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N

Summary of Laboratory Testing

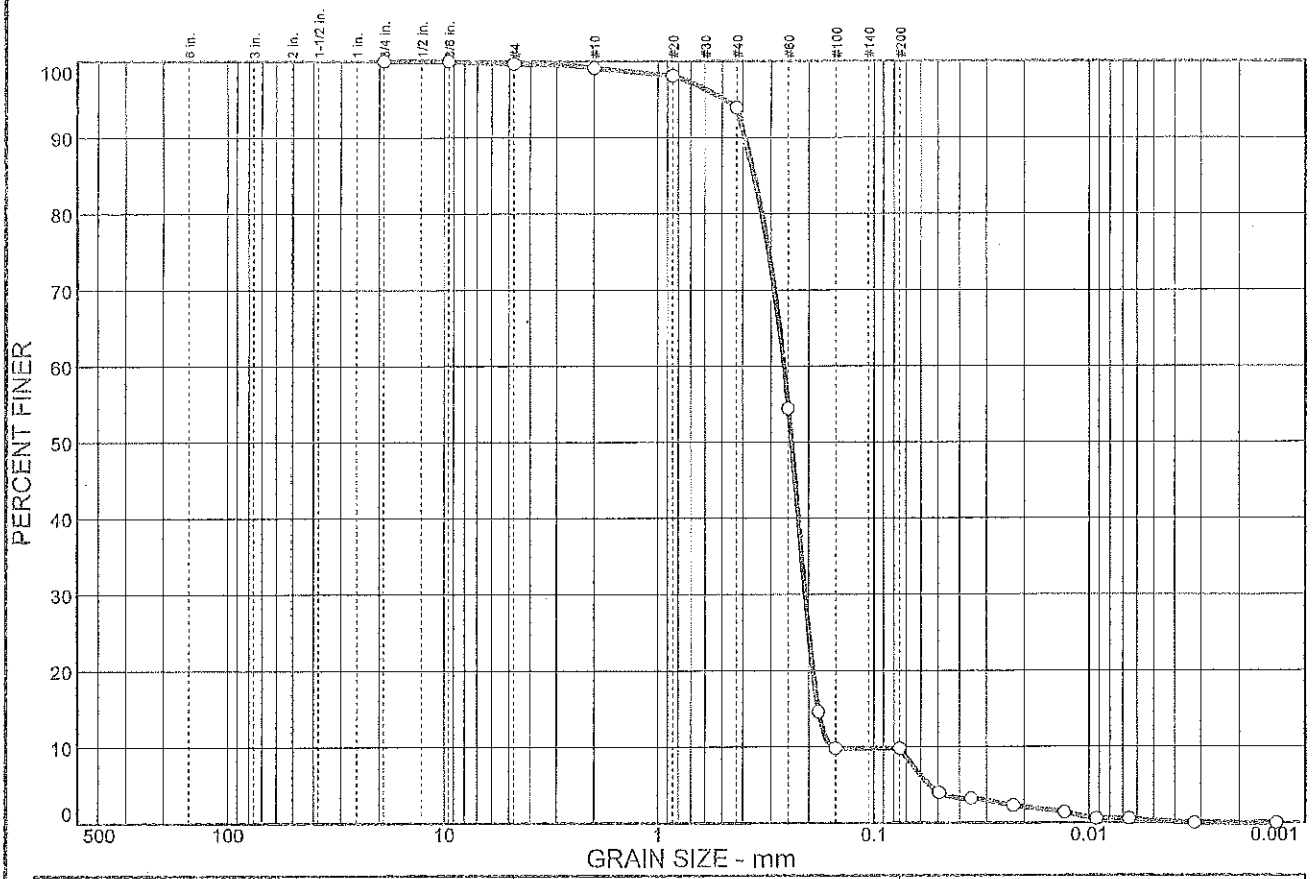
Alpha-Omega Geotech, Inc.
1701 State Avenue
Kansas City, KS 66102
Office: (913) 371-0000 Fax: (913) 371-6710
Website: www.aogeotech.com

PROJECT NAME: GM Fairfax, #60119881, SUB-6285
PROJECT LOCATION:

PROJECT NUMBER: 12-219T
DATE: 05/14/12

Boring No.	Sample Number	Depth or Elevation	Description	ASTM (D2216) Gravimetric Moisture (%)	ASTM (D2937) Dry Unit Weight (pcf)	Dry Unit Weight (g/cc)	Volumetric Moisture (cc/cc)	USCS	% Passing No. 200	ASTM (D4318) L.L.	ASTM (D4318) P.L.	ASTM (D4318) P.I.	Porosity	ASTM (D854) Specific Gravity	Remarks
	SB-306	18' - 20'	Poorly graded sand with silt	7.2	101.4	1.62	0.117		9.8	N/L	N/PL	N/PI	0.389	2.66	Please see the attached Gs & Hydrometer Test Reports.
	SB-307	18' - 20'	Poorly graded sand with silt	3.2	109.4	1.75	0.056		8.3	N/L	N/PL	N/PI	0.341	2.66	Please see the attached Gs & Hydrometer Test Reports.

ASTM D422



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.3	0.6	5.2	84.1	9.5	0.3

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.375 in.	100.0		
#4	99.7		
#10	99.1		
#20	98.1		
#40	93.9		
#60	54.4		
#80	14.6		
#100	9.8		
#200	9.8		

* (no specification provided)

Material Description

Poorly graded sand with silt

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{85}= 0.357 D_{60}= 0.262 D_{50}= 0.242
D_{30}= 0.209 D_{15}= 0.181 D_{10}= 0.156
C_u= 1.68 C_c= 1.07

Classification

USCS= SP-SM AASHTO=

Remarks

Sample No.: SB-306 Source of Sample: Date: 4/30/2012
Location: Elev./Depth: 18' - 20'

Alpha-Omega Geotech, Inc.

Client: Pace Analytical
Project: GM Fairfax, #60119881, SUB-6285

Project No: 12-219T Figure 1 of 1

Alpha-Omega Geotech, Inc.
1701 State Avenue
Kansas City, KS 66102
(913) 371-0000 FAX: (913) 371-6710

SPECIFIC GRAVITY OF SOLIDS
ASTM D854

Project Name: GM Fairfax, #60119881, SUB-6285 Project No.: 12-219T

Sample Number: SB-307 Date: 5/10/2012

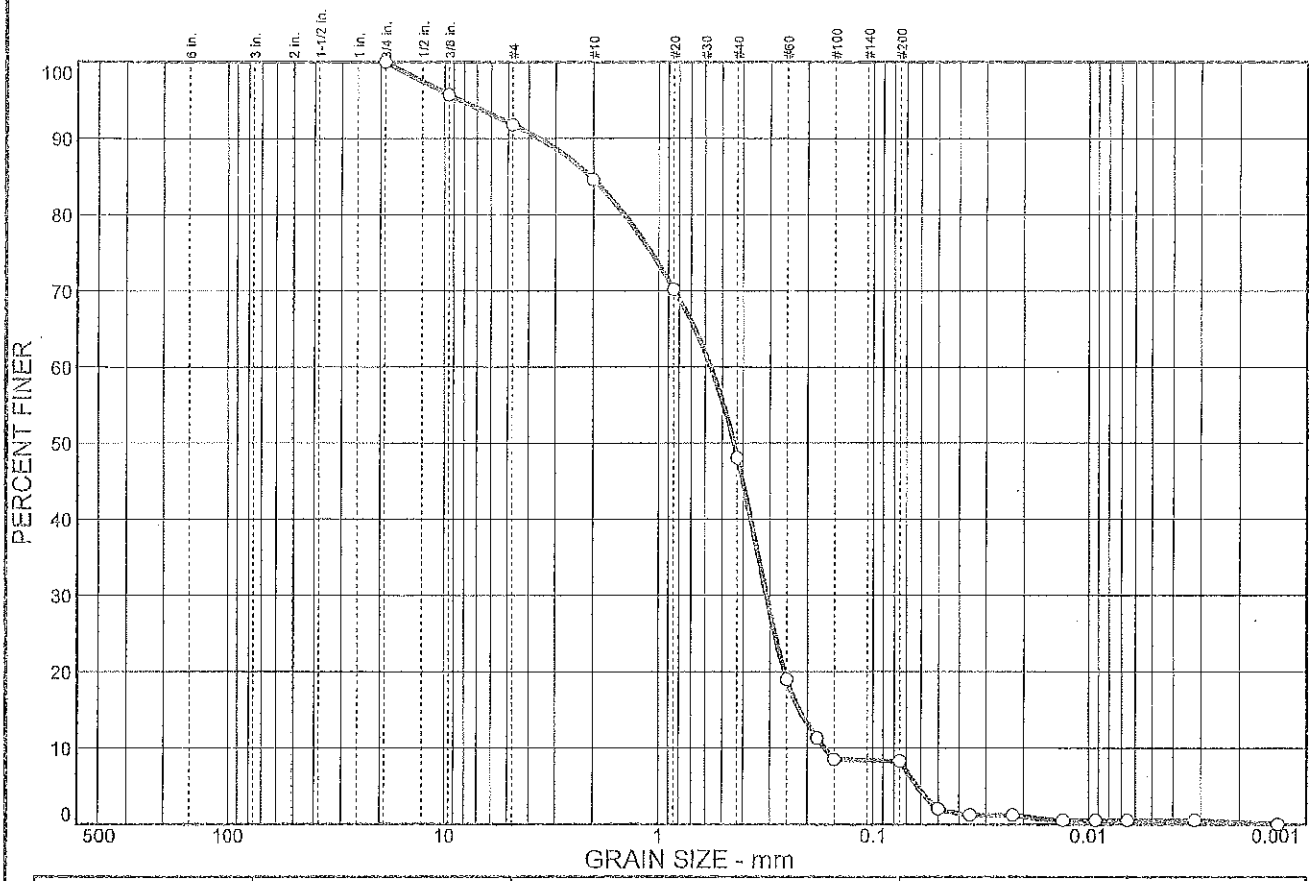
Soil Description: Poorly graded sand with silt Depth: 18' - 20'

Tested by: T.B.

Specimen Number:	1			
Flask Number:	E			
Temp,water + soil, T, Celcius	20°			
Dish No.	#30			
Dish + Dry Soil, g	358.83			
Dish, g	253.97			
Dry Soil, g (Ws)	104.86			
Flask + water at T, g (Wbw)	664.35			
Ws + Wbw, g	769.21			
Flask + water + immersed soil, g (Wbwe)	729.73			
Displaced water, Ws + Wbw - Wbwe	39.48			
Correction Factor, K	1.0000			
(WsK) / (Ws + Wbw - Wbwe) = Gs	2.66			

Remarks: Test performed on material passing the #4 sieve.

ASTM D422



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	8.2	7.2	36.5	39.8	7.8	0.5

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.375 in.	95.7		
#4	91.8		
#10	84.6		
#20	70.2		
#40	48.1		
#60	19.0		
#80	11.3		
#100	8.5		
#200	8.3		

* (no specification provided)

Material Description

Poorly graded sand with silt

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{85}= 2.07 D_{60}= 0.566 D_{50}= 0.441
D_{30}= 0.312 D_{15}= 0.219 D_{10}= 0.167
C_u= 3.39 C_c= 1.03

Classification

USCS= SP-SM AASHTO=

Remarks

Sample No.: SB-307 Source of Sample: Date: 4/30/2012
Location: Elev./Depth: 18' - 20'

Alpha-Omega Geotech, Inc.

Client: Pace Analytical
Project: GM Fairfax, #60119881, SUB-6285

Project No: 12-219T Figure 1 of 1

Alpha-Omega Geotech, Inc.
1701 State Avenue
Kansas City, KS 66102
(913) 371-0000 FAX: (913) 371-6710

SPECIFIC GRAVITY OF SOLIDS
ASTM D854

Project Name: GM Fairfax, #60119881, SUB-6285 Project No.: 12-219T

Sample Number: SB-306 Date: 5/10/2012

Soil Description: Poorly graded sand with silt Depth: 18' - 20'

Tested by: T.B.

Specimen Number:	1			
Flask Number:	F			
Temp,water + soil, T, Celcius	20°			
Dish No.	#16			
Dish + Dry Soil, g	344.06			
Dish, g	254.42			
Dry Soil, g (Ws)	89.64			
Flask + water at T, g (Wbw)	661.64			
Ws + Wbw, g	751.28			
Flask + water + immersed soil, g (Wbwe)	717.52			
Displaced water, Ws + Wbw - Wbwe	33.76			
Correction Factor, K	1.0000			
(WsK) / (Ws + Wbw - Wbwe) = Gs	2.66			

Remarks: Test performed on material passing the #4 sieve.

CHAIN OF CUSTODY RECORD

PROJECT REF.: 012569 TO.03

CONESTOGA-ROVERS & ASSOCIATES
1502 SW 41ST ST
TOPEKA, KS 66609

SHIPPED TO (Laboratory Name): PACE ANALYTICAL LENEXA, KS

~~REFERENCE NUMBER:~~ SEND DATA TO:
TRAVIS KOGL
tkogl@CRAWorld.com
(785) 783-8982

SAMPLER'S SIGNATURE: _____ PRINTED NAME: NICK LASKARES

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS: GRAIN SIZE	ATTERBERG LIMITS	POCKET PEN						REMARKS
	4/19/12	9:00	SB-306 (18-20)	SOIL	1	X	X	X		1.5 TBE				SHELBY TUBE 001
	4/19/12	10:00	SB-307 (18-20)	SOIL	1	X	X	X		↓				SHELBY TUBE 002

(0011981

TOTAL NUMBER OF CONTAINERS: 2

HEALTH/CHEMICAL HAZARDS: N/A

RELINQUISHED BY: ① _____	DATE: 4/19/12 TIME:	RECEIVED BY: ① _____	DATE: 4/19/12 TIME: 1140
RELINQUISHED BY: ② _____	DATE: TIME:	RECEIVED BY: ② _____	DATE: TIME:
RELINQUISHED BY: ③ _____	DATE: TIME:	RECEIVED BY: ③ _____	DATE: TIME:

31.3

METHOD OF SHIPMENT: WAY BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM: _____ _____

RECEIVED FOR LABORATORY BY: _____
DATE: _____ TIME: _____

N°CRA 26211

1001 (D) APR 28/97(NF) REV. 0 (F-15)

5842-3

Sample Condition Upon Receipt

Pace Analytical® www.pacelabs.com

Client Name: Conestoga - Rovers & Associates Project # 10119881

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other _____

Tracking #: _____ Pace Shipping Label Used? ☐ Yes ☑ No

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☑ Yes ☐ No

Optional
Proj. Due Date:
Proj. Name: 5/3

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Other _____

Thermometer Used: T-191 / T-194 **Type of Ice:** Wet Blue (None) ☐ Samples on ice, cooling process has begun

Cooler Temperature: 3|.3

Temperature should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: FF 4/19

Chain of Custody present:	☑Yes	☐No	☐N/A	1.
Chain of Custody filled out:	☑Yes	☐No	☐N/A	2.
Chain of Custody relinquished:	☑Yes	☐No	☐N/A	3.
Sampler name & signature on COC:	☑Yes	☐No	☐N/A	4.
Samples arrived within holding time:	☑Yes	☐No	☐N/A	5.
Short Hold Time analyses (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time requested:	☐Yes	☑No	☐N/A	7.
Sufficient volume:	☑Yes	☐No	☐N/A	8.
Correct containers used:	☑Yes	☐No	☐N/A	9.
-Pace containers used:	☑Yes	☐No	☐N/A	
Containers intact:	☑Yes	☐No	☐N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes	☐No	☑N/A	11.
Filtered volume received for dissolved tests	☐Yes	☐No	☑N/A	12.
Sample labels match COC:	☑Yes	☐No	☐N/A	13.
-Includes date/time/ID/analyses Matrix: SL				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	☐Yes	☑No		Initial when completed _____ Lot # of added preservative _____
Trip Blank present:	☐Yes	☐No	☑N/A	15.
Pace Trip Blank lot # (if purchased): _____				
Headspace in VOA vials (>6mm):	☐Yes	☐No	☑N/A	16.
Project sampled in USDA Regulated Area:	☐Yes	☐No	☑N/A	17. List State: _____

Client Notification/ Resolution: Copy COC to Client? Y / (N) Field Data Required? Y / (N)

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 4/24

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)