

August 16, 2016

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Mr. Chris Leigh
The Tricar Group
3800 Colonel Talbot Road
London, Ontario N6P 1H5

Sent via Email: cleigh@tricar.com

Re: Phase II Environmental Site Assessment, 71 Wyndham Street South, Guelph, Ontario

Dear Mr. Leigh:

1. INTRODUCTION, PURPOSE, AND USE

As requested by The Tricar Group (Tricar), XCG Consulting Limited (XCG) is providing this report to summarize the findings of the Phase II Environmental Site Assessment (ESA) completed at the property located at 71 Wyndham Street South in Guelph, Ontario (subject property or site). A site location and site layout are provided on Figure 1.

It is XCG's understanding that the Phase II ESA has been requested for due diligence purposes to support the potential purchase of the subject site. XCG also understands that the purpose of the Phase II ESA was to further investigate the potential or actual sources of significant contamination identified in the Phase I ESA completed by XCG in July 2016. The findings of the Phase I ESA were previously documented in a draft report titled "Phase I Environmental Site Assessment, 71 Wyndham Street South, Guelph, Ontario," dated July 12, 2016 (Phase I Report).

Based on the results of the Phase I ESA, the following potential or actual sources of significant contamination were identified to be associated with the subject property:

- Historic use of the subject site as an automotive service garage between 1959 and 1981. The historic operations, including the use of an oil service bay, hydraulic hoist, various pits and sumps, floor trench drain system, and two dirt/grease traps, represent potential sources of impact to the soil and groundwater quality at the subject site.
- Two fuel underground storage tanks (USTs) and associated pump islands were reportedly operated at the subject site as part of a gasoline service station between 1960 and 1970. Releases, if any, from these USTs represent a potential source of previously identified impacts to the soil and ground quality at the subject site.
- Site personnel indicated that impacted soil previously identified to be present on the subject site (with the exception of the soil beneath the existing site building) was excavated and transported for off-site disposal in late 2009/early 2010. No documentation pertaining to the remedial activities regarding the aerial extent or depth of the soil excavation or the quality of the soil left in place was made available for review during the Phase I ESA. As such, the current soil quality at the subject site is unknown.



- Following completion of the remedial excavation, site personnel indicated that fill material was imported to the site; however, the quality of the fill material is currently not known.
- The adjacent property to the east was occupied by a Laundromat between 1964 and 1980. There is a potential that dry cleaning services were offered during this time period in addition to standard, water-based laundering. The historic potential use of halogenated solvents at this up-gradient adjacent property represents a potential source of impact to the soil and groundwater quality at the subject site.

This report was prepared for the sole use by The Tricar Group and may not be relied upon by others without the written concurrence of XCG. Any use or reuse of this document (or the findings and conclusions represented herein), by parties other than The Tricar Group, is at the sole risk of those parties.

2. XCG SCOPE OF THE WORK

In order to further investigate the above-noted areas of potential or actual environmental concern identified during the Phase I ESA, XCG completed the following tasks as part of the Phase II ESA:

- Mobilized and demobilized all personnel and equipment required to complete the work. Prior to the subsurface investigations, public and private utility locates were carried out in all of the areas where subsurface work was conducted.
- Advanced 10 boreholes throughout the subject site to depths ranging from 2.9 metres to 4.0 metres below ground surface (bgs) using a track-mounted drilling rig equipped with hollow-stem augers and split-spoon soil sampling equipment.
- Instrumented four of the 10 boreholes as groundwater monitoring wells.
- Assessed the condition of four existing monitoring wells to determine their suitability for collection of representative groundwater samples.
- Collected and field screened soil samples from boreholes for evidence of impacts, including discolouration, chemical odours, and the presence of total organic vapours (TOVs) as measured with an organic vapour meter.
- Surveyed all existing and newly installed monitoring wells to establish vertical control.
- Measured the depth to groundwater in and existing and newly installed monitoring wells to determine the groundwater elevation and flow direction.
- Developed wells and collected groundwater samples from the four existing and four newly installed groundwater monitoring wells.
- Submitted 10 soil samples and nine groundwater samples [including one duplicate groundwater sample for quality control and quality assurance (QA/QC) purposes] for laboratory analysis for one or more of metals, petroleum hydrocarbons (PHCs) (Fractions F1 to F4), benzene, toluene, ethylbenzene, and xylenes (BTEX), volatile organic compounds (VOCs), and/or polycyclic aromatic hydrocarbons (PAHs).
- Reviewed and assessed field and analytical data.



- Prepared a summary report documenting field activities, summarizing field observations and analytical data, and comparing the analytical results to the respective Ministry of the Environment and Climate Change (MOECC)¹ Standards.

The approximate locations of the sampling locations are shown on Figure 1.

3. XCG FIELD ACTIVITIES

3.1 Methodology

Prior to commencing on-site drilling activities, utility locates were performed by Ontario One Call and OnSite Locates Inc. to clear all proposed drilling locations of any buried utilities and services.

The sampling program was conducted in general accordance with the scope of work provided in a document entitled “Work Plan and Cost Estimate to Complete Phase I and Phase II Environmental Site Assessments at 71 Wyndham Street South, Guelph, Ontario,” dated June 15, 2016. The field activities were completed in general accordance with the XCG’s Standard Operating Procedures (SOPs), and the Ontario MOECC sampling protocols including QA/QC methods, as described in the MOECC documents titled “Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario, December 1996” and “Guide for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04,” dated June 2011. All chemical analyses were performed in accordance with the Ontario Regulation (O. Reg.) 153/04, and specifically the related document “Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act,” dated March 2004 (amended as of July 1, 2011).

The analytical results for soil and groundwater samples were compared to the generic site condition standards (SCS) published by the MOECC in the “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act,” dated April 15, 2011 (MOECC Standards). Given the site setting, proposed future residential property use, and presence of the Speed River, located adjacent to the south of the subject property, the MOECC Standards criteria for residential/parkland/community land use in a potable groundwater setting for properties located within 30 metres of a water body (i.e. the MOECC Standards Table 8 criteria) were selected for comparison purposes. The MOECC Standards Table 2 criteria (potable groundwater, residential land use) are also provided for comparative reference.

3.2 Borehole Drilling and Soil Sampling

All drilling activities were completed by CMT Engineering Inc., of St. Clements, Ontario (CMT) and were observed by XCG personnel. CMT is a MOECC-licensed drilling contractor. On July 8 and 13, 2016, CMT advanced a total of 10 boreholes [XCG-BH1 to XCG-BH6 and XCG-MW1 to XCG-MW4] throughout the subject site, including two monitoring wells inside the site building (XCG-MW3 and XCG-MW4). The boreholes were advanced using a track-mounted drilling rig equipped with split-spoon soil sampling equipment and hollow-stem augers. The boreholes were advanced to depths ranging from 2.9 metres bgs to 4.0 metres bgs. The approximate borehole locations are shown on Figure 1.

¹ Previously also known as the Ministry of the Environment (MOE) and the Ministry of the Environment and Energy (MOEE).



Soil samples were retrieved using a 0.6-metre split barrel sampling spoon advanced at 0.76-metre intervals. Soil samples collected from each borehole were logged for physical characteristics, as well as olfactory and visual evidence of contamination. A portion of select sample intervals from each borehole was placed directly into sample containers complete with methanol preservation for potential future analysis of PHC (F1) and BTEX/VOC compounds to ensure headspace losses were not incurred. The remaining soil samples were collected in sealable plastic bags and those selected for laboratory analysis were split, with half of the sample being placed in laboratory-supplied sample jars. Soil samples from each borehole were screened in the field for visual and olfactory evidence of TOVs using the headspace method using an RKI Eagle gas meter calibrated to hexane operating in methane elimination mode. TOV measurements were taken from the headspace in the sample bags. The TOV readings are provided on the borehole logs located in Attachment A.

Field evidence of impacts (staining, odour, elevated vapour readings) were observed at the two boreholes advanced inside the site building, located in the vicinity of a pit (XCG-MW3) and in the vicinity of the former hydraulic hoist (XCG-MW4). At both locations, black staining, PHC odours and elevated TOV readings were observed from approximately 0.6 metres bgs to the top of the weather bedrock at 2.9 and 3.3 metres bgs, respectively. Minor staining and faint PHC odour were also observed at XCG-BH5, located in the southeast portion of the site, between 2.1 and 2.9 metres bgs. No field evidence of impacts were observed at any of the other boreholes advanced at the subject site.

Based on field observations and sample location, 'worst case' soil samples were selected from each borehole, and submitted for chemical analysis. Selected soil samples were submitted under chain-of-custody protocols to Maxxam Analytics Inc. of Mississauga, Ontario (Maxxam) for select chemical analysis of metals, PHCs (F1 to F4), BTEX, VOCs and/or PAHs.

3.3 Monitoring Well Installation and Groundwater Sampling

Following completion of drilling and soil sampling activities, four of the 10 boreholes were instrumented as groundwater monitoring wells and designated as XCG-MW1 to XCG-MW4. Monitoring wells were constructed using 38-millimetre (1.5-inch) diameter PVC Schedule 40 pipe equipped with a 10 slot, 3.0-metre long screen and pre-packed clean silica sand filter pack. A bentonite seal placed above the filter pack to backfill the remaining borehole annulus. At each location, the monitoring wells were completed with well caps and flush-mounted protective casings set into a concrete collar at grade. Well instrumentation details are provided in the borehole logs in Attachment A.

XCG also evaluated the condition of four existing monitoring wells that were observed on the subject site and were identified as MWA, MWB, MW2-09A, and MW2-09B. These monitoring wells were reportedly associated with previous environmental and/or geotechnical investigations completed at the subject site by others. These wells were found to be in good condition, with intact j-plugs and minimal silt detected when sounding the wells. Based on the observations made by XCG, these wells were determined to be suitable for sampling.

Groundwater levels were measured at the four existing and four newly installed monitoring wells on July 13, 2016. The groundwater levels in the monitoring wells ranged from 1.73 metres bgs at monitoring well XCG-MW4 to 3.39 metres bgs at monitoring well MWB.



The well development activities were conducted on July 11, 2016 at both the existing and newly installed monitoring wells. The well development was completed by purging approximately five times the standing volume of the water column within the well casing or purging the well dry on three separate occasions. Following the well development, the wells were allowed to recover. Based on the quick recovery of six of the eight wells, later that day (July 11), these wells were purged and sampled using a low flow/low volume peristaltic pump. XCG-MW2 and MWB were noted to recover slowly and as such, XCG sampled these wells on July 13, 2016 using a low flow/low volume peristaltic pump.

Prior to sampling, the existing and newly installed wells were purged between 15 and 20 minutes until the field measurements of pH, conductivity, temperature, oxidation-reduction potential (ORP), and dissolved oxygen (DO) had stabilized. Field evidence of PHC-related impacts including a slight sheen and moderate odour was noted in the purge water generated from XCG-MW3 and XCG-MW4. No field evidence of PHC-related impacts was noted during well purging activities at the remaining on-site monitoring wells. The water generated from the well development and purging/sampling activities were contained within a 205-litre capacity drum located adjacent to the southeast corner of the site building.

After the wells had been purged and field parameters had stabilized, groundwater samples were collected and submitted for select chemical analyses of metals, PHCs (F1 to F4), BTEX, VOCs, and/or PAHs. All samples, including the duplicate QA/QC sample, were collected directly into laboratory-supplied containers and submitted under chain-of-custody protocol to Maxxam.

4. RESULTS

4.1 Geology

The shallow geology of the boreholes advanced across the subject site generally consisted of a surficial layer of granular fill or asphalt at ground surface in the paved areas of the subject site underlain by approximately 0.3 metres of granular fill. Sand, with varying degrees of gravel and silt was encountered underlying the granular fill to the completed depth of the boreholes. As noted above, evidence of PHC staining, odours and elevated TOVs readings were observed in the sand at XCG-MW3 and XCG-MW4 extending to the top of the weathered limestone bedrock at depths of 2.9 and 3.3 metres bgs, respectively. Minor staining and faint PHC odours were also noted at XCG-BH5 at a depth of 2.1 metres extending to the top of the weathered limestone bedrock at 2.9 metres. Overall, the weathered limestone bedrock was encountered across the subject site at depths ranging from 2.9 metres bgs in the south portion of the site to 4.0 metres bgs in the north portion of the subject site.

4.2 Hydrogeology

All existing and newly installed monitoring wells were surveyed to an on-site benchmark (right side of door jam of Diyode) to allow for vertical control and determination of relative groundwater elevations. Review of the shallow overburden groundwater elevations determined based on the depth to groundwater measurements conducted by XCG on July 13, 2016, indicated that overburden groundwater elevations ranged from 97.30 metres above site datum (ASD) (2.33 metres bgs) at MWB, located in the southwest portion of the subject site to 98.05 metres ASD (1.84 metres bgs) at XCG-MW4, located inside the woodshop in the central



portion of the site. Based on review of the groundwater elevations, the overall direction of groundwater flow is generally in a south to southwest direction.

Groundwater elevations determined based on the July 13, 2016 water levels are shown on Figure 1 and are summarized in Table 1.

4.3 Summary and Discussion of Soil Analytical Results

The soil sample analytical results are summarized in Tables 2 to 5. The laboratory analytical reports are provided in Attachment B.

Based on a review of the soil sample analytical results, concentrations of analyzed parameters that were above the MOECC Standards Table 8 soil quality criteria were detected in soil samples collected from borehole locations XCG-BH2, XCG-BH5, XCG-BH6, XCG-MW2, XCG-MW5, and XCG-MW6. The soil samples submitted from the remaining four boreholes had concentrations of analyzed parameters either below the laboratory method detection limits (MDLs) or below the respective MOECC Standards Table 8 soil quality criteria. The concentrations of analyzed parameters in the above noted soil samples were also below the MOECC Standards Table 2 soil quality criteria.

At borehole XCG-BH2, located in the northeast portion of the subject site, zinc was detected in the soil sample interval of 3.0 to 3.7 metres bgs at a concentration above the MOECC Standards Tables 8 soil quality criteria. The detected concentration of zinc was also above the MOECC Standards Table 2 soil quality criterion.

At borehole XCG-BH5, located to the southeast of the site building, cadmium, molybdenum, zinc, and PHCs (F2) were detected in the soil sample interval of 2.3 to 2.9 metres bgs at concentrations above the MOECC Standards Table 8 soil quality criteria. The detected concentrations of cadmium, molybdenum, and zinc were also above the MOECC Standards Table 2 soil quality criteria. The concentration of PHC (F2) was below the MOECC Standards Table 2 soil quality criterion.

At borehole XCG-BH6, located to the south of the site building (west of XCG-BH5), cadmium and zinc were detected in the soil sample interval of 2.3 to 2.9 metres bgs at concentrations above the MOECC Standards Table 8 soil quality criteria. The detected concentrations of cadmium and zinc were also above the MOECC Standards Table 2 soil quality criteria.

At borehole XCG-MW2, located adjacent to the east property boundary in the central part of the site, molybdenum was detected in the soil sample interval of 2.3 to 2.9 metres bgs at a concentration above the MOECC Table 8 soil quality criterion. The concentration of molybdenum was below the MOECC Table 2 soil quality criterion.

At borehole XCG-MW3, located in the southeast portion of the site building, near a trench drain and associated sump/pit, zinc, total xylenes, hexane, PHCs (F2, F3 and F4), naphthalene and 1,2-methylnaphthalene were detected in the soil sample interval of 3.0 to 3.7 metres bgs at concentrations above the MOECC Table 8 soil quality criteria. The detected concentrations of zinc, PHCs (F2 and F3) and 1,2-methylnaphthalene were also above the MOECC Standards Table 2 soil quality criteria. The concentrations of total xylenes, hexane and naphthalene were below the MOECC Standards Table 2 soil quality criteria.

At borehole XCG-MW4, located in the west half of the central portion of the site building, near the former hydraulic hoist, zinc, lead, total xylenes, PHCs (F2 and F3), naphthalene and



1,2-methylnaphthalene were detected in the soil sample interval of 1.5 to 2.1 metres bgs at concentrations above the MOECC Table 8 soil quality criteria. The detected concentrations of zinc, lead, PHCs (F3), and 1,2-methylnaphthalene were also above the MOECC Standards Table 2 soil quality criteria. The concentrations of total xylenes and naphthalene were below the MOECC Standards Table 2 soil quality criteria.

Based on review of the analytical data, the soil impacts detected at XCG-MW3 and XCG-MW4 are likely the result of historic site operations (automotive service and gas station) conducted at the subject property. Based on the observation at surrounding boreholes XCG-BH1, XCG-BH4, and XCG-BH6 and XCG's knowledge of previously completed remedial activities throughout the exterior of the subject site, it is anticipated that these soil impacts are limited to the footprint of the site building, which is approximately 415 square metres in area. Based on field observations, the soil impacts extend from approximately 0.6 metres bgs to the top of the bedrock, ranging between to 2.9 metre bgs at XCG-MW4 to 3.4 metres bgs at XCG-MW3. As such, XCG estimated there is approximately 1,330 cubic metres of impacted soil located beneath the on-site building.

The remaining soil impacts detected throughout the exterior of the subject property are likely associated with the fill material that was historically imported onto the subject site as backfill following the remedial activities conducted on-site in 2009. XCG anticipates that these impacts are localized in nature and are not lateral extensive. XCG estimates that approximately 1,100 cubic metres of impacted soil (fill) are present throughout the remainder of the subject site.

4.4 Summary and Discussion of Groundwater Analytical Results

The groundwater sample analytical results are summarized in Tables 6 to 9. The laboratory analytical reports are provided in Attachment B.

Based on review of the groundwater sample analytical results, concentrations of analyzed parameters above the MOECC Standards Tables 8 groundwater quality criteria were detected in groundwater samples collected from monitoring wells XCG-MW2, XCG-MW3 and XCG-MW4. The groundwater samples collected from the remaining five on-site monitoring wells had concentrations of analyzed parameters that were either below the laboratory MDLs or were below the respective MOECC Standards Table 8 groundwater quality criteria. The concentrations of analyzed parameters from the above noted remaining five on-site monitoring wells were also below the MOECC Standards Table 2 groundwater quality criteria.

At XCG-MW2, located adjacent to the east property boundary in the central part of the site, molybdenum was detected in the groundwater sample at a concentration above the MOECC Standards Table 8 groundwater quality criteria. The detected concentration of molybdenum was also above the MOECC Standards Table 2 groundwater quality criterion.

At XCG-MW3, located in the southeast portion of the site building, near a trench drain and associated sump/pit, PHCs (F2 and F3), benzo(a)pyrene and 1,2-methylnaphthalene were detected at concentrations above the MOECC Tables 2 and 8 groundwater quality criteria. The detected concentrations of PHCs (F2 and F3), benzo(a)pyrene and 1,2-methylnaphthalene were also above the MOECC Standards Table 2 groundwater quality criteria.

At borehole XCG-MW4, located in the west half of the central portion of the site building, near the former hydraulic hoist, PHCs (F3), benzo(a)pyrene and 1,2-methylnaphthalene were



detected at concentrations above the MOECC Tables 2 and 8 groundwater quality criteria. The detected concentrations of PHCs F3, benzo(a)pyrene and 1,2-methylnaphthalene were also above the MOECC Standards Table 2 groundwater quality criteria.

Based on review of the analytical data, the groundwater impacts detected at XCG-MW3 and XCG-MW4 are likely the result of historic site operations conducted at the subject property and associated with the soil impacts observed at these locations. Based on the observation at surrounding boreholes XCG-BH1, XCG-BH4, and XCG-BH6 and XCG's knowledge of previously completed remedial activities throughout the exterior of the subject site, it is anticipated that these groundwater impacts are localized beneath and in the vicinity of the site building. It is anticipated that any remedial excavation activities undertaken to address the soil impacts would assist in addressing the associated groundwater impacts through source removal and excavation de-watering.

The remaining groundwater impacts detected at XCG-MW2 are likely associated with the soil impacts identified at this location. XCG anticipates that these groundwater impacts are localized in nature and are not laterally extensive. Similar to the PHC impacts in the vicinity of the site building, the remedial activities undertaken to address the soil impacts in the vicinity of XCG-MW2 would like assist in reduction of groundwater concentrations, through impacted soil removal and excavation dewatering activities.

5. LIMITATIONS AND CONCLUSIONS

5.1 Limitations

The Phase II ESA described herein was intended to investigate the soil and groundwater quality at the subject site.

The findings and conclusions regarding the environmental condition of the subject property provided in this report are based on the extent of the data obtained during XCG's Phase II ESA. The conclusions drawn from this Phase II ESA were based on the information and data generated to date at selected sampling locations. Conditions between and beyond these locations may become apparent during future investigations or on-site work, which could not be detected or anticipated at the time of this investigation. The sampling locations were chosen based information provided by site personnel and site accessibility. As such, XCG cannot be held responsible for environmental conditions at the subject site that were not apparent from the available information.

The scope of this report is limited to the matters expressly covered. This report was prepared for the benefit of The Tricar Group for the purpose of documenting environmental conditions at the specific on-site locations. This report may only be relied upon by The Tricar Group. This report may not be relied upon by others without the written concurrence of XCG. Any use or reuse of this document (or the findings and conclusions represented herein), by parties other than The Tricar Group, is at the sole risk of those parties.

5.2 Conclusions

The overall conclusions of the Phase II ESA are that:

1. The site is generally underlain by granular fill and sand, with varying degrees of silt and gravel to the top of the weathered limestone bedrock, which was encountered at depths



ranging from 2.9 metres in the south portion of the site to 4.0 metres bgs in the north portion of the subject site. Evidence of PHC impacts were noted in the soil samples collected from the boreholes advanced inside the site building.

2. Groundwater was typically encountered between 1.8 and 2.3 metres bgs throughout the subject site. The general direction of groundwater flow is in a south to southwest direction towards the adjacent Speed Rover. Evidence of PHC impacts including sheen and moderate odours were observed in groundwater removed from monitoring wells located inside the site building.
3. Elevated (exceeding MOECC Standards Table 8 soil quality criteria) concentrations of lead, zinc, total xylenes, hexane, PHCs (F2, F3 and F4), naphthalene, and/or 1,2-methylnaphthalene were found in soil samples collected from XCG-MW3 and XCG-MW4, both located inside the site building, in the vicinity of historic site operations. The soil impacts were interpreted to be limited to the footprint of the existing site building (415 square metres), extending to the top of the bedrock.
4. Elevated (exceeding MOECC Standards Table 8 soil quality criteria) concentrations of cadmium, molybdenum, zinc and/or PHCs F2 were found in soil samples collected from boreholes advanced across the subject site (XCG-MW2, XCG-BH2, XCG-BH5, XCG-BH6). These elevated concentrations were interpreted to be localized in nature and likely associated with the quality of fill historically imported to the site.
5. Based on the limits of localized nature of the above noted soil impacts, XCG estimated that a total of approximately 2,430 cubic metres of impacted (concentrations above MOECC Standards Table 8 criteria) soil and/or fill material is present at the subject site.
6. Review of groundwater data indicated that elevated (exceeding MOECC Standards Table 8 groundwater quality criteria) concentrations PHCs (F2 and/or F3), benzo(a)pyrene and 1,2-methylnaphthalene were found in groundwater samples collected from XCG-MW3 and XCG-MW4. Molybdenum was detected at XCG-MW2 at a concentration above the MOECC Standards Table 8 groundwater quality criteria. The groundwater impacts were interpreted to be associated with the soil impacts found at each respective monitoring well.

6. CLOSURE

We trust this letter meets your current requirements. If you should have any questions or comments related to this report, please contact the undersigned.

Respectfully submitted,

XCG CONSULTING LIMITED

A handwritten signature in black ink, appearing to read 'Kristian Peter'.

Kristian Peter, B.Sc. (Eng.), P.Eng., QP_{ESA}
Project Manager

Attachments: Tables
Figure
Attachment A - Borehole Logs
Attachment B - Laboratory Analytical Reports

TABLES

Table 1 Groundwater Elevations

| Location | Ground Surface Elevation (masd)* | Top of Pipe Elevation (masd)* | Well Depth (mbgs) | Groundwater Depth (mtoc) | Groundwater Depth (mbgs) | Groundwater Elevation (masd) |
|----------|----------------------------------|-------------------------------|-------------------|--------------------------|--------------------------|------------------------------|
| MWA | 100.137 | 100.930 | 5.78 | 3.20 | 2.41 | 97.73 |
| MWB | 99.634 | 100.693 | 4.38 | 3.39 | 2.33 | 97.30 |
| MW2-09A | 101.271 | 101.207 | 4.40 | 3.28 | 3.34 | 97.93 |
| MW2-09B | 101.188 | 101.228 | 6.33 | 3.39 | 3.35 | 97.84 |
| XCG-MW1 | 100.511 | 100.423 | 3.68 | 2.45 | 2.54 | 97.97 |
| XCG-MW2 | 100.231 | 100.126 | 2.74 | 2.26 | 2.36 | 97.87 |
| XCG-MW3 | 99.850 | 99.768 | 2.79 | 1.78 | 1.86 | 97.99 |
| XCG-MW4 | 99.893 | 99.780 | 2.70 | 1.73 | 1.84 | 98.05 |

Notes:
mbgs -metres below ground surface, *masd* -metres above site datum
 * Surveyed to the top nut of fire hydrant located at north corner of warehouse building

Table 2 Summary of Analytical Results for Volatile Organic Compounds in Soil

| Sample ID | MOECC Table 8 Standards | MOE Table 2 Standards | Reportable Detection Limit | XCG-MW1 SS6 | XCG-MW2 SS4 | XCG-MW3 SS5 | XCG-MW4 SS3 | XCG-BH1 SS5 | TM-100 Field Dup of XCG-BH1 SS5 | XCG-BH2 SS5 | XCG-BH3 SS4 | XCG-BH4 SS4 | XCG-BH5 SS4 | XCG-BH6 SS4 |
|------------------------------------|-------------------------|-----------------------|----------------------------|--------------------|------------------|------------------|------------------|------------------|---------------------------------|------------------|------------------|------------------|------------------|------------------|
| Depth of Sample | Residential | Residential | | 3.66 - 3.96.5 mbgs | 2.29 - 2.90 mbgs | 3.05 - 3.66 mbgs | 1.52 - 2.13 mbgs | 3.05 - 3.66 mbgs | 3.05 - 3.66 mbgs | 3.05 - 3.66 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs |
| Date | µg/g | µg/g | | 8-Jul-16 | 8-Jul-16 | 8-Jul-16 | 8-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 |
| Acetone | 0.5 | 16 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Benzene | 0.02 | 0.21 | 0.02 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Bromodichloromethane | 0.05 | 1.5 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Bromoform | 0.05 | 0.27 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Bromomethane | 0.05 | 0.05 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Carbon Tetrachloride | 0.05 | 0.05 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Chlorobenzene | 0.05 | 2.4 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Chloroform | 0.05 | 0.05 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Dibromochloromethane | 0.05 | 2.3 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,2-Dichlorobenzene | 0.05 | 1.2 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,3-Dichlorobenzene | 0.05 | 4.8 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,4-Dichlorobenzene | 0.05 | 0.083 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Dichlorodifluoromethane (Freon 12) | 0.05 | 16 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,1-Dichloroethane | 0.05 | 0.47 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,2-Dichloroethane | 0.05 | 0.05 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,1-Dichloroethylene | 0.05 | 0.05 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| CIS-1,2-Dichloroethylene | 0.05 | 1.9 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| TRANS-1,2-Dichloroethylene | 0.05 | 0.084 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,2-Dichloropropane | 0.05 | 0.05 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| CIS-1,3-Dichloropropene | 0.05 | 0.05 | 0.03 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 |
| TRANS-1,3-Dichloropropene | | | 0.04 | <0.040 | <0.040 | <0.040 | <0.040 | <0.040 | <0.040 | <0.040 | <0.040 | <0.040 | <0.040 | <0.040 |
| Ethylbenzene | 0.05 | 1.1 | 0.02 | <0.020 | <0.020 | 0.043 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Ethylene Dibromide | 0.05 | 0.05 | 0.05 | <0.050 | <0.050 | 0.075 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Hexane | 0.05 | 2.8 | 0.05 | <0.050 | <0.050 | 0.075 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Methylene Chloride | 0.05 | 0.1 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Methyl Isobutyl Ketone | 0.5 | 1.7 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Methyl Ethyl Ketone | 0.5 | 16 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Methyl tert-butyl Ether | 0.05 | 0.75 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Styrene | 0.05 | 0.7 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,1,1,2-Tetrachloroethane | 0.05 | 0.058 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,1,2,2-Tetrachloroethane | 0.05 | 0.05 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Tetrachloroethylene | 0.05 | 0.28 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Toluene | 0.2 | 2.3 | 0.02 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| 1,1,1-Trichloroethane | 0.05 | 0.38 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 1,1,2-Trichloroethane | 0.05 | 0.05 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Trichloroethylene | 0.05 | 0.061 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Vinyl Chloride | 0.02 | 0.02 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Trichlorofluoromethane (Freon 11) | 0.25 | 4 | 0.02 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| o-Xylene | N/V | N/V | 0.02 | <0.020 | <0.020 | 0.18 | 0.13 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| m & p-Xylene | N/V | N/V | 0.02 | <0.020 | <0.020 | 0.046 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Xylenes (Total) | 0.05 | 3.1 | 0.02 | <0.020 | <0.020 | 0.23 | 0.13 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |

Notes:
 < Below laboratory RDL (Reportable Detection Limit)
 Parameter concentration exceeds MOECC Table 8 Standards for Industrial/Commercial Use
Parameter concentration exceeds MOECC Table 2 Standards for Industrial/Commercial Use
 N/V No Value
 mbgs metres below ground surface
 MOECC Table 2 Standards Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards in a Potable Groundwater Condition for coarse textured soil.
 MOECC Table 8 Standards Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards for Use within 30 metres of a Water Body in a Potable Groundwater Condition.

Table 3 Summary of Analytical Results for PHCs and BTEX in Soil

| Sample ID | MOECC Table 8 Standards | MOECC Table 2 Standards | Reportable Detection Limit | XCG-MW1 SS6 | XCG-MW2 SS4 | XCG-MW3 SS5 | XCG-MW4 SS3 | XCG-BH1 SS5 | TM-100 Field Dup of XCG-BH1 SS5 | XCG-BH2 SS5 | XCG-BH3 SS4 | XCG-BH4 SS4 | XCG-BH5 SS4 | XCG-BH6 SS4 |
|--|---|-------------------------|----------------------------|--------------------|------------------|------------------|------------------|------------------|---------------------------------|------------------|------------------|------------------|------------------|------------------|
| Depth of Sample | Residential | Residential | | 3.66 - 3.96.5 mbgs | 2.29 - 2.90 mbgs | 3.05 - 3.66 mbgs | 1.52 - 2.13 mbgs | 3.05 - 3.66 mbgs | 3.05 - 3.66 mbgs | 3.05 - 3.66 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs |
| Date | µg/g | µg/g | | 8-Jul-16 | 8-Jul-16 | 8-Jul-16 | 8-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 |
| BTEX and Petroleum Hydrocarbons | | | | | | | | | | | | | | |
| Benzene | 0.02 | 0.21 | 0.02 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Toluene | 0.2 | 2.3 | 0.02 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Ethylbenzene | 0.05 | 1.1 | 0.02 | <0.020 | <0.020 | 0.043 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| o-Xylene | N/V | N/V | 0.02 | <0.020 | <0.020 | 0.046 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| p+m-Xylene | N/V | N/V | 0.02 | <0.020 | <0.020 | 0.18 | 0.13 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Total Xylenes | 0.05 | 3.1 | 0.02 | <0.020 | <0.020 | 0.23 | 0.13 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| F1 (C6-C10) | 25 | 55 | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| F1 (C6-C10) - BTEX | 25 | 55 | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| F2 (>C10-C16) | 10 | 98 | 10 | <10 | <10 | 41 | 120 | <10 | <10 | <10 | <10 | <10 | 13 | <10 |
| F3 (>C16-C34) | 240 | 300 | 50 | <50 | <50 | 2,200 | 5,200 | 62 | 61 | <50 | <50 | 85 | 130 | <50 |
| F4 (>C34) | 120 | 2,800 | 50 | <50 | <50 | 500 | 1,200 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Notes: | | | | | | | | | | | | | | |
| < | Below laboratory RDL (Reportable Detection Limit) | | | | | | | | | | | | | |
| Bold | Parameter concentration exceeds MOECC Table 8 Standards for Industrial/Commercial Use | | | | | | | | | | | | | |
| Bold | Parameter concentration exceeds MOECC Table 2 Standards for Industrial/Commercial Use | | | | | | | | | | | | | |
| N/V | No Value | | | | | | | | | | | | | |
| N/A | Not Analyzed | | | | | | | | | | | | | |
| mbgs | metres below ground surface | | | | | | | | | | | | | |
| MOECC Table 2 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards in a Potable Groundwater Condition for coarse textured soil. | | | | | | | | | | | | | |
| MOECC Table 8 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards for Use within 30 metres of a Water Body in a Potable Groundwater Condition. | | | | | | | | | | | | | |

Table 4 Summary of Analytical Results for PAHs in Soil

| Sample ID | MOECC Table 8 Standards | MOECC Table 2 Standards | Reportable Detection Limit | XCG-MW1 SS6 | XCG-MW2 SS4 | XCG-MW3 SS5 | XCG-MW4 SS3 | XCG-BH1 SS5 | TM-100 Field Dup of XCG-BH1 SS5 | XCG-BH2 SS5 | XCG-BH3 SS4 | XCG-BH4 SS4 | XCG-BH5 SS4 | XCG-BH6 SS4 |
|------------------------|-------------------------|-------------------------|----------------------------|--------------------|------------------|------------------|------------------|------------------|---------------------------------|------------------|------------------|------------------|------------------|------------------|
| Depth of Sample | Residential | Residential | | 3.66 - 3.96.5 mbgs | 2.29 - 2.90 mbgs | 3.05 - 3.66 mbgs | 1.52 - 2.13 mbgs | 3.05 - 3.66 mbgs | 3.05 - 3.66 mbgs | 3.05 - 3.66 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs |
| Date | µg/g | µg/g | | 8-Jul-16 | 8-Jul-16 | 8-Jul-16 | 8-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 |
| Acenaphthene | 0.072 | 7.9 | 0.005 | <0.0050 | <0.0050 | <0.050 | <0.050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| Acenaphthylene | 0.093 | 0.15 | 0.005 | <0.0050 | <0.0050 | <0.050 | <0.050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| Anthracene | 0.22 | 0.67 | 0.01 | <0.0050 | <0.0050 | 0.058 | <0.050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0055 | <0.0050 | <0.0050 |
| Benzo(a)anthracene | 0.36 | 0.5 | 0.005 | <0.0050 | <0.0050 | 0.068 | <0.050 | 0.0067 | 0.011 | <0.0050 | 0.0057 | 0.008 | <0.0050 | <0.0050 |
| Benzo(a)pyrene | 0.3 | 0.3 | 0.005 | <0.0050 | <0.0050 | <0.050 | <0.050 | 0.0068 | 0.01 | <0.0050 | 0.0065 | 0.0059 | <0.0050 | <0.0050 |
| Benzo(b/j)fluoranthene | 0.47 | 0.78 | 0.01 | <0.0050 | <0.0050 | <0.050 | <0.050 | 0.0094 | 0.014 | 0.005 | 0.0085 | 0.01 | <0.0050 | <0.0050 |
| Benzo(g,h,i)perylene | 0.68 | 6.6 | 0.005 | <0.0050 | <0.0050 | <0.050 | <0.050 | 0.0053 | 0.0065 | <0.0050 | 0.0058 | 0.0051 | <0.0050 | <0.0050 |
| Benzo(k)fluoranthene | 0.48 | 0.78 | 0.01 | <0.0050 | <0.0050 | <0.050 | <0.050 | <0.0050 | 0.0052 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| Chrysene | 2.8 | 7 | 0.02 | <0.0050 | 0.0066 | 0.054 | <0.050 | 0.006 | 0.0088 | <0.0050 | 0.0057 | 0.0071 | 0.0056 | <0.0050 |
| Dibenzo(a,h)anthracene | 0.1 | 0.1 | 0.01 | <0.0050 | <0.0050 | <0.050 | <0.050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| Fluoranthene | 0.69 | 0.69 | 0.01 | 0.011 | <0.0050 | 0.091 | 0.071 | 0.014 | 0.026 | <0.0050 | 0.013 | 0.019 | <0.0050 | <0.0050 |
| Fluorene | 0.19 | 62 | 0.02 | <0.0050 | <0.0050 | 0.069 | 0.065 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| Indeno(1,2,3-cd)pyrene | 0.23 | 0.38 | 0.005 | <0.0050 | <0.0050 | <0.050 | <0.050 | 0.0051 | 0.0066 | <0.0050 | 0.0052 | <0.0050 | <0.0050 | <0.0050 |
| 1-Methylnaphthalene | 0.59 | 0.99 | 0.005 | <0.0050 | <0.0050 | 0.6 | 0.58 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0055 | <0.0050 | <0.0050 |
| 2-Methylnaphthalene | | | 0.02 | <0.0050 | 0.0052 | 0.59 | 0.75 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| Naphthalene | 0.09 | 0.6 | 0.005 | <0.0050 | <0.0050 | 0.32 | 0.37 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| Phenanthrene | 0.69 | 6.2 | 0.005 | 0.0082 | 0.0078 | 0.18 | 0.17 | <0.0050 | 0.0085 | <0.0050 | 0.0055 | 0.0094 | <0.0050 | <0.0050 |
| Pyrene | 1 | 78 | 0.005 | 0.0088 | <0.0050 | 0.14 | 0.15 | 0.015 | 0.024 | <0.0050 | 0.012 | 0.019 | 0.0053 | <0.0050 |

Notes:

< Below laboratory RDL (Reportable Detection Limit)

Bold Parameter concentration exceeds MOECC Table 8 Standards for Industrial/Commercial Use

Bold Parameter concentration exceeds MOECC Table 2 Standards for Industrial/Commercial Use

mbgs metres below ground surface

MOECC Table 2 Standards Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards in a Potable Groundwater Condition for coarse textured soil.

MOECC Table 8 Standards Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards for Use within 30 metres of a Water Body in a Potable Groundwater Condition.

Table 5 Summary of Analytical Results for Metals in Soil

| Sample ID | MOECC Table 8 Standards | MOECC Table 2 Standards | Reportable Detection Limit | XCG-MW1 SS6 | XCG-MW2 SS4 | XCG-MW3 SS5 | XCG-MW4 SS3 | XCG-BH1 SS5 | XCG-BH2 SS5 | XCG-BH3 SS4 | FM-200 Field Dup of XCG-BH3 SS4 | XCG-BH4 SS4 | XCG-BH5 SS4 | XCG-BH6 SS4 |
|-------------------------------|---|-------------------------|----------------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------------------|------------------|------------------|------------------|
| Depth of Sample | Residential | Residential | | 3.66 - 3.96.5 mbgs | 2.29 - 2.90 mbgs | 3.05 - 3.66 mbgs | 1.52 - 2.13 mbgs | 3.05 - 3.66 mbgs | 3.05 - 3.66 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs | 2.29 - 2.90 mbgs |
| Date | µg/g | µg/g | | 8-Jul-16 | 8-Jul-16 | 8-Jul-16 | 8-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 | 13-Jul-16 |
| Metals | | | | | | | | | | | | | | |
| Chromium, Hexavalent | 0.66 | 8 | 0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Boron (Hot Water Extractable) | 1.5 | 1.5 | 0.1 | 0.07 | 0.14 | 0.15 | 0.3 | 0.15 | 0.26 | 0.18 | 0.18 | 0.12 | 0.097 | 0.085 |
| Antimony | 1.3 | 7.5 | 1 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.37 | <0.20 | <0.20 | <0.20 | 0.34 | <0.20 |
| Arsenic | 18 | 18 | 1 | 1.6 | 3.6 | 2.9 | 2.4 | 1 | 4.6 | 1.9 | 1.5 | 1.3 | 11 | 8.6 |
| Barium | 220 | 390 | 1 | 13 | 15 | 25 | 33 | 8.9 | 25 | 12 | 12 | 13 | 22 | 23 |
| Beryllium | 2.5 | 4 | 0.5 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.2 |
| Boron (total) | 36 | 120 | 5 | 7.6 | 8.4 | 7.5 | 6 | <5.0 | <5.0 | <5.0 | 5 | <5.0 | 5.9 | <5.0 |
| Cadmium | 1.2 | 1.2 | 0.5 | 0.19 | 0.4 | 0.84 | 0.77 | <0.10 | 0.59 | 0.35 | 0.15 | 0.37 | 1.3 | 1.3 |
| Chromium | 70 | 160 | 1 | 6.6 | 7.1 | 7.9 | 8.4 | 5.8 | 9.6 | 5.6 | 6 | 4.6 | 10 | 9.6 |
| Cobalt | 22 | 22 | 1 | 1.7 | 2.5 | 2.6 | 2.6 | 1.3 | 3.6 | 1.6 | 1.7 | 1.6 | 5.8 | 3.9 |
| Copper | 92 | 140 | 1 | 7.7 | 17 | 16 | 13 | 6.7 | 16 | 7.6 | 6.6 | 6.1 | 37 | 31 |
| Lead | 120 | 120 | 1 | 14 | 50 | 75 | 410 | 6.8 | 120 | 10 | 8.8 | 15 | 71 | 60 |
| Molybdenum | 2 | 6.9 | 1 | 0.66 | 2.7 | 0.75 | 0.58 | 0.64 | 1.1 | 0.55 | 0.53 | <0.50 | 7.7 | 0.82 |
| Nickel | 82 | 100 | 1 | 4.1 | 7.6 | 8.1 | 8.2 | 3.2 | 11 | 4.3 | 4 | 3.6 | 16 | 11 |
| Selenium | 1.5 | 2.4 | 1 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.52 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Silver | 0.5 | 20 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Thallium | 1.0 | 1.0 | 0.5 | 0.052 | 0.078 | 0.13 | 0.16 | <0.050 | 0.11 | <0.050 | <0.050 | <0.050 | 0.12 | 0.2 |
| Uranium | 2.5 | 23 | 1 | 0.39 | 1 | 0.77 | 0.61 | 0.33 | 0.73 | 0.5 | 0.37 | 0.41 | 1.1 | 0.72 |
| Vanadium | 86 | 86 | 1 | 9.6 | 9.6 | 12 | 12 | 6 | 13 | 7.9 | 7.2 | 8.6 | 16 | 15 |
| Zinc | 290 | 340 | 5 | 140 | 280 | 560 | 780 | 43 | 350 | 190 | 100 | 170 | 1400 | 650 |
| Mercury | 0.27 | 0.27 | 0.01 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Notes: | | | | | | | | | | | | | | |
| < | Below laboratory RDL (Reportable Detection Limit) | | | | | | | | | | | | | |
| Bold | Parameter concentration exceeds MOECC Table 8 Standards for Industrial/Commercial Use | | | | | | | | | | | | | |
| Bold | Parameter concentration exceeds MOECC Table 2 Standards for Industrial/Commercial Use | | | | | | | | | | | | | |
| N/A | Not Analyzed | | | | | | | | | | | | | |
| mbgs | metres below ground surface | | | | | | | | | | | | | |
| MOECC Table 2 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards in a Potable Groundwater Condition for coarse textured soil. | | | | | | | | | | | | | |
| MOECC Table 8 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards for Use within 30 metres of a Water Body in a Potable Groundwater Condition. | | | | | | | | | | | | | |

Table 6 Summary of Analytical Results for VOCs in Groundwater

| Sample ID | MOECC Table 8 Standards | MOECC Table 2 Standards | Reportable Detection Limit | MWA | TM-100 Field Dup of MWA | MWB | MW2-09A | MW2-09B | XCG-MW1 | XCG-MW2 | XCG-MW3 | XCG-MW4 |
|------------------------------------|-------------------------|-------------------------|----------------------------|-------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Units | µg/L | | µg/L | 11-Jul-16 | 11-Jul-16 | 13-Jul-16 | 11-Jul-16 | 11-Jul-16 | 11-Jul-16 | 13-Jul-16 | 11-Jul-16 |
| Acetone | 2,700 | 2,700 | 10 | <10 | <10 | <10 | <10 | <10 | <10 | 21 | <10 | <10 |
| Benzene | 5 | 5 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.35 | <0.20 | 0.48 | 0.21 |
| Bromodichloromethane | 16 | 16 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Bromoform | 25 | 25 | 1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromomethane | 0.89 | 0.89 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Carbon Tetrachloride | 0.79 | 0.79 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Chlorobenzene | 30 | 30 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Chloroform | 2.4 | 2.4 | 0.2 | <0.20 | <0.20 | <0.20 | 0.29 | 0.29 | <0.20 | <0.20 | <0.20 | <0.20 |
| Dibromochloromethane | 25 | 25 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 1,2-Dichlorobenzene | 3 | 3 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 1,3-Dichlorobenzene | 59 | 59 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 1,4-Dichlorobenzene | 1 | 1 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Dichlorodifluoromethane (FREON 12) | 590 | 590 | 1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethane | 5 | 5 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| 1,2 - Dichloroethane | 1.6 | 1.6 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 1,1 Dichloroethylene | 1.6 | 1.6 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| cis- 1,2-Dichloroethylene | 1.6 | 1.6 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| trans- 1,2-dichloroethylene | 1.6 | 1.6 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 1,2-Dichloropropane | 5 | 5 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| cis-1,3-Dichloropropene | 0.5 | 0.5 | 0.3 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 |
| trans-1,3-Dichloropropene | 0.5 | 0.5 | 0.4 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 |
| Ethylbenzene | 2.4 | 2.4 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.96 |
| Ethylene Dibromide | 0.2 | 0.2 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Hexane | 51 | 51 | 1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Methylene Chloride | 50 | 50 | 2 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Methyl Isobutyl Ketone | 640 | 640 | 10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Methyl Ethyl Ketone | 1,800 | 1,800 | 5 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Methyl tert-butyl ether | 15 | 15 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Styrene | 5.4 | 5.4 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 1,1,1,2-Tetrachloroethane | 1.1 | 1.1 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| 1,1,1,2,2-Tetrachloroethane | 1 | 1 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tetrachloroethylene | 1.6 | 1.6 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | 0.29 | <0.20 | <0.20 | <0.20 | <0.20 |
| Toluene | 22 | 24 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.41 | <0.20 | 0.35 | 0.38 |
| 1,1,1-Trichloroethane | 200 | 200 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| 1,1,2-Trichloroethane | 4.7 | 4.7 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Trichloroethylene | 1.6 | 1.6 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Vinyl Chloride | 0.5 | 0.5 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Trichlorofluoromethane (FREON 11) | 150 | 150 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| o-Xylene | N/V | N/V | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 2 | 10 |
| m & p-Xylene | N/V | N/V | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.59 | 2 |
| Xylenes (Total) | 300 | 300 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 2.6 | 12 |

| | |
|-------------------------|---|
| Notes: | |
| < | Below laboratory RDL (Reportable Detection Limit) |
| Bold | Parameter concentration exceeds MOECC Table 8 Standards for Industrial/Commercial Use |
| Bold | Parameter concentration exceeds MOECC Table 2 Standards for Industrial/Commercial Use |
| N/V | No Value |
| N/A | Not Analyzed |
| MOECC Table 2 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards in a Potable Groundwater Condition for coarse textured soil. |
| MOECC Table 8 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards for Use within 30 metres of a Water Body in a Potable Groundwater Condition. |

Table 7 Summary of Analytical Results for BTEX and PHCs in Groundwater

| Sample ID | MOECC Table 8 Standards | MOECC Table 2 Standards | Reportable Detection Limit | MWA | TM-100 Field Dup of MWA | MWB | MW2-09A | MW2-09B | XCG-MW1 | XCG-MW2 | XCG-MW3 | XCG-MW4 |
|--|---|-------------------------|----------------------------|-----------|-------------------------|-----------|-----------|-----------|-----------|-----------|--------------|--------------|
| Units | µg/L | µg/L | | 11-Jul-16 | 11-Jul-16 | 13-Jul-16 | 11-Jul-16 | 11-Jul-16 | 11-Jul-16 | 13-Jul-16 | 11-Jul-16 | 11-Jul-16 |
| BTEX and Petroleum Hydrocarbons | | | | | | | | | | | | |
| Benzene | 5 | 5 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.35 | <0.20 | 0.48 | 0.21 |
| Toluene | 22 | 24 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.41 | <0.20 | 0.35 | 0.38 |
| Ethylbenzene | 2.4 | 2.4 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.96 |
| o-Xylene | N/V | N/V | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.59 | 2 |
| p+m-Xylene | N/V | N/V | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 2 | 10 |
| Total Xylenes | 300 | 300 | 0.2 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 2.6 | 12 |
| F1 (C6-C10) | 420 | 750 | 25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 37 | 77 |
| F1 (C6-C10) - BTEX | 420 | 750 | 25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 33 | 63 |
| F2 (>C10-C16) | 150 | 150 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | 250 | 150 |
| F3 (>C16-C34) | 500 | 500 | 200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | 2,300 | 1,200 |
| F4 (>C34) | 500 | 500 | 200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | 490 | 220 |
| Notes: | | | | | | | | | | | | |
| < | Below laboratory RDL (Reportable Detection Limit) | | | | | | | | | | | |
| Bold | Parameter concentration exceeds MOECC Table 8 Standards for Industrial/Commercial Use | | | | | | | | | | | |
| Bold | Parameter concentration exceeds MOECC Table 2 Standards for Industrial/Commercial Use | | | | | | | | | | | |
| N/V | No Value | | | | | | | | | | | |
| N/A | Not Analyzed | | | | | | | | | | | |
| MOECC Table 2 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards in a Potable Groundwater Condition for coarse textured soil. | | | | | | | | | | | |
| MOECC Table 8 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards for Use within 30 metres of a Water Body in a Potable Groundwater Condition. | | | | | | | | | | | |

Table 8 Summary of Analytical Results for PAHs in Groundwater

| Sample ID | MOECC Table 8 Standards | MOECC Table 2 Standards | Reportable Detection Limit | MWA | TM-100 Field Dup of MWA | MWB | MW2-09A | MW2-09B | XCG-MW1 | XCG-MW2 | XCG-MW3 | XCG-MW4 | |
|------------------------|-------------------------|-------------------------|----------------------------|-----------|-------------------------|-----------|-----------|-----------|-----------|-----------|-------------|--------------|------------|
| Units | µg/L | µg/L | | 11-Jul-16 | 11-Jul-16 | 13-Jul-16 | 11-Jul-16 | 11-Jul-16 | 11-Jul-16 | 11-Jul-16 | 13-Jul-16 | 11-Jul-16 | 11-Jul-16 |
| Acenaphthene | 4.1 | 4.1 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.14 | 0.056 | |
| Acenaphthylene | 1 | 1 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.16 | 0.06 | |
| Anthracene | 1 | 2.4 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.15 | 0.066 | |
| Benzo(a)anthracene | 1 | 1 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.076 | <0.050 | |
| Benzo(a)pyrene | 0.01 | 0.01 | 0.01 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.03 | 0.015 | |
| Benzo(b/j)fluoranthene | 0.1 | 0.1 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| Benzo(g,h,i)perylene | 0.2 | 0.2 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| Benzo(k)fluoranthene | 0.1 | 0.1 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| Chrysene | 0.1 | 0.1 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.055 | <0.050 | |
| Dibenzo(a,h)anthracene | 0.2 | 0.2 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| Fluoranthene | 0.41 | 0.41 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.16 | 0.082 | |
| Fluorene | 120 | 120 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.46 | 0.2 | |
| Indeno(1,2,3-cd)pyrene | 0.2 | 0.2 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| 1-Methylnaphthalene | 3.2 | 3.2 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 5.9 | 5.2 |
| 2-Methylnaphthalene | | | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 4 | 5.9 |
| Naphthalene | 11 | 11 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 7.9 | 7.1 | |
| Phenanthrene | 1 | 1 | 0.03 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | 0.03 | 0.45 | 0.32 | |
| Pyrene | 4.1 | 4.1 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.27 | 0.13 | |

Notes:

< Below laboratory RDL (Reportable Detection Limit)

Bold Parameter concentration exceeds MOECC Table 8 Standards for Industrial/Commercial Use

Bold Parameter concentration exceeds MOECC Table 2 Standards for Industrial/Commercial Use

N/V No Value

N/A Not Analyzed

MOECC Table 2 Standards Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards in a Potable Groundwater Condition for coarse textured soil.

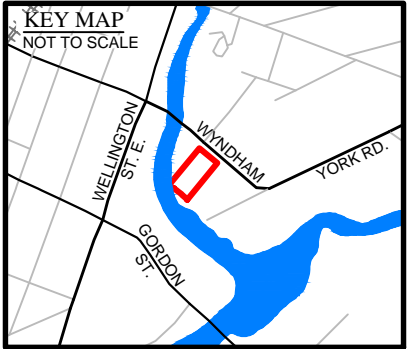
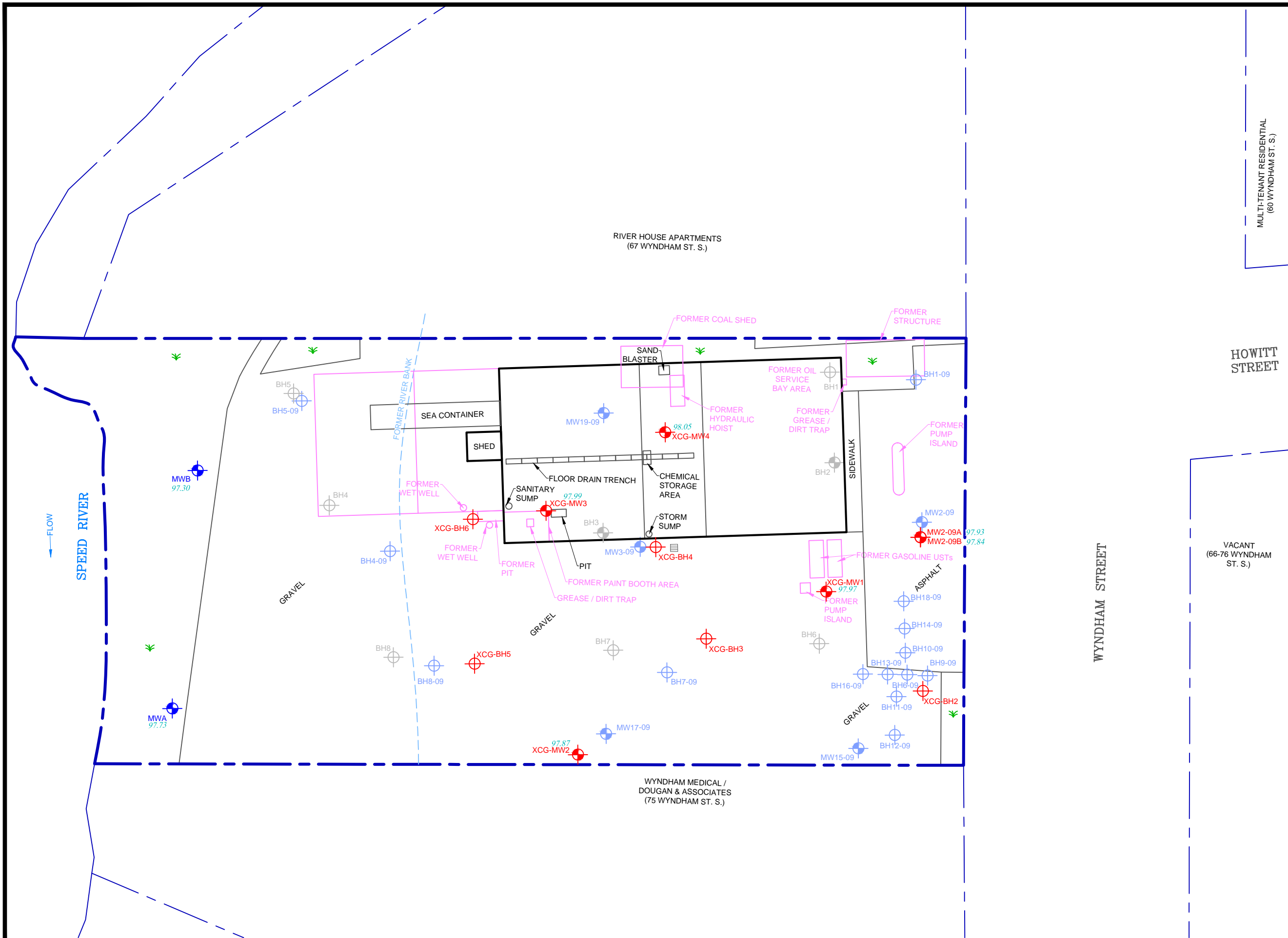
MOECC Table 8 Standards Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards for Use within 30 metres of a Water Body in a Potable Groundwater Condition.

Table 9 Summary of Analytical Results for Metals in Groundwater

| Sample ID | MOECC Table 8 Standards | MOECC Table 2 Standards | Reportable Detection Limit | MWA | TM-100 Field Dup of MWA | MWB | MW2-09A | MW2-09B | XCG-MW1 | XCG-MW2 | XCG-MW3 | XCG-MW4 |
|-------------|-------------------------|-------------------------|----------------------------|-----------|-------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|
| Units | µg/L | µg/L | | 11-Jul-16 | 11-Jul-16 | 13-Jul-16 | 11-Jul-16 | 11-Jul-16 | 11-Jul-16 | 11-Jul-16 | 13-Jul-16 | 11-Jul-16 |
| Chromium VI | 25 | 25 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.4 | <0.50 | <0.50 |
| Antimony | 6 | 6 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.9 | <0.50 | <0.50 |
| Arsenic | 25 | 25 | 1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 12 | 1.9 | 1.8 |
| Barium | 1,000 | 1,000 | 2 | 100 | 100 | 84 | 120 | 38 | 69 | 69 | 130 | 170 |
| Beryllium | 4 | 4 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Boron | 5,000 | 5,000 | 10 | 120 | 120 | 92 | 110 | 34 | 74 | 83 | 93 | 89 |
| Cadmium | 2.1 | 2.7 | 0.1 | 0.16 | 0.14 | <0.10 | 0.12 | 0.22 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chromium | 50 | 50 | 5 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Cobalt | 3.8 | 3.8 | 0.5 | 3.4 | 3.3 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.7 |
| Copper | 69 | 87 | 1 | 2.5 | 2.4 | <1.0 | 1.9 | 1.9 | 1.9 | 9.7 | <1.0 | <1.0 |
| Lead | 10 | 10 | 0.5 | <0.50 | <0.50 | <0.50 | <0.50 | 0.96 | <0.50 | <0.50 | <0.50 | 1.4 |
| Mercury | 0.29 | 0.29 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Molybdenum | 70 | 70 | 0.5 | 0.67 | 0.66 | 2.2 | 0.99 | 1.6 | 1.4 | 110 | 1.9 | 2.8 |
| Nickel | 100 | 100 | 1 | 1.6 | 1.7 | <1.0 | 1.1 | 1.3 | 1.5 | 3 | <1.0 | 1.9 |
| Selenium | 10 | 10 | 2 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Silver | 1.2 | 1.5 | 0.1 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Sodium | 490,000 | 490,000 | 100 | 160,000 | 160,000 | 220,000 | 200,000 | 160,000 | 150,000 | 320,000 | 230,000 | 240,000 |
| Thallium | 2 | 2 | 0.05 | <0.050 | <0.050 | <0.050 | <0.050 | 0.081 | <0.050 | <0.050 | <0.050 | <0.050 |
| Uranium | 20 | 20 | 0.1 | 0.31 | 0.31 | 0.59 | 1.2 | 1.2 | 1.6 | 2.8 | 0.16 | 0.98 |
| Vanadium | 6.2 | 6.2 | 0.5 | 0.56 | 0.55 | <0.50 | <0.50 | <0.50 | <0.50 | 2.1 | 0.63 | <0.50 |
| Zinc | 890 | 1,100 | 5 | 45 | 46 | <5.0 | 40 | 88 | 19 | 5.7 | 22 | 51 |

| | |
|-------------------------|---|
| Notes: | |
| < | Below laboratory RDL (Reportable Detection Limit) |
| Bold | Parameter concentration exceeds MOECC Table 8 Standards for Industrial/Commercial Use |
| Bold | Parameter concentration exceeds MOECC Table 2 Standards for Industrial/Commercial Use |
| N/V | No Value |
| N/A | Not Analyzed |
| MOECC Table 2 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards in a Potable Groundwater Condition for coarse textured soil. |
| MOECC Table 8 Standards | Ontario Ministry of the Environment and Climate Change's (MOECC) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011), Full Depth Generic Site Condition Standards for Use within 30 metres of a Water Body in a Potable Groundwater Condition. |

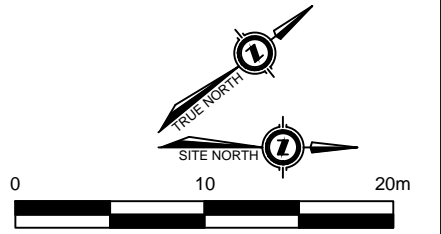
FIGURE



LEGEND:

- APPROXIMATE SUBJECT PROPERTY BOUNDARIES
- APPROXIMATE PROPERTY BOUNDARIES
- FORMER FEATURES
- CATCH BASIN
- GRASSED AREA
- APPROXIMATE MONITORING WELL LOCATION (MTE, 2009)
- APPROXIMATE MONITORING WELL LOCATION (MTE, 2009) (NOT OBSERVED)
- APPROXIMATE BOREHOLE LOCATION (MTE, 2009) (NOT OBSERVED)
- APPROXIMATE MONITORING WELL LOCATION (CMT, 2009) (NOT OBSERVED)
- APPROXIMATE BOREHOLE LOCATION (CMT, 2009) (NOT OBSERVED)
- MONITORING WELL LOCATION (XCG, JULY 2016)
- BOREHOLE LOCATION (XCG, JULY 2016)
- 97.84 GROUNDWATER ELEVATION (JULY 2016)

NOTE: MWA AND MWB WERE ONLY WELLS OBSERVED DURING SITE INSPECTION.



PHASE II ESA
SITE PLAN

71 WYNDHAM STREET
GUELPH, ONTARIO



| DATE | JOB NO. | FIGURE NO. |
|-----------|--------------|------------|
| JUNE 2016 | 5-2705-14-02 | 1 |

DRAWING REFERENCE: Figure based on Site Layout and Monitoring Locations (MTE, October 2009), Geotechnical Investigation (CMT, September 2009), City of Guelph online mapping and XCG field notes.
NOTE: Location of building, underground utilities, etc. are for reference only and should not be relied upon for detailed design, renovation, or construction purposes. Property boundary and building locations shown may not represent actual surveyed boundaries.

***ATTACHMENT A
BOREHOLE LOGS***



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF BOREHOLE: XCG-BH1

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Engineering Inc.

Borehole Diameter: 7.62 cm

Drill Method: 7822DT Geoprobe

Start Date: July 13, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 13, 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery % | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) |
|-------------|------------|---------|------------|-------------------|-------------|--|----------------|
| 0 ft 0 m | | | | | | Ground Surface | 0.00 |
| 1 | 1 | 40 | 80 | 0 | | ASPHALT SAND AND GRAVEL FILL Grey/brown sand and gravel, dry. Grey cobble. Some brown coarse sand and gravel, dry. | |
| 2 | | | | | | | |
| 3 | 2 | 52 | 60 | 0 | | Brown sand and gravel, moist at 0.76 metres bgs. | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | 3 | 47 | 10 | 0 | | | |
| 7 | | | | | | | |
| 8 | 4 | 16 | 80 | 0 | | | |
| 9 | | | | | | | |
| 10 | | | | | | Moist yellow and light grey silt at 3.05 metres bgs. | |
| 11 | *5 | 50 | 80 | 0 | | | |
| 12 | | | | | | Refusal at 3.96 metres bgs. Limestone bedrock. | |
| 13 | 6 | - | 10 | 0 | | | -3.96 |
| 14 | | | | | | End of Borehole | |
| 15 | | | | | | *Note: Sample submitted to an accredited laboratory for chemical analysis. | |

Ground Surface Elevation: N/A

Screening Tool: RKI Eagle

For Environmental Purposes Only

Sheet: 1 of 1



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF BOREHOLE: XCG-BH2

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Engineering Inc.

Borehole Diameter: 7.62 cm

Drill Method: 7822DT Geoprobe

Start Date: July 13, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 13, 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery % | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) |
|-------|------------|---------|------------|-------------------|-------------|---|----------------|
| 0 | | | | | | Ground Surface | 0.00 |
| 1 | 1 | 35 | 75 | 0 | | SAND AND GRAVEL FILL Crushed grey gravel at surface underlain by brown sand and gravel fill, dry. | |
| 2 | | | | | | | -0.76 |
| 3 | 2 | 9 | 80 | 0 | | SAND Brown sand, trace gravel, moist. | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | 3 | 16 | 10 | 0 | | SAND Dark brown/grey, very moist to wet. Saturated at 3.05 metres bgs. | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | 4 | 17 | 60 | 0 | | Refusal at 3.30 metres bgs. Limestone bedrock. | |
| 10 | | | | | | | |
| 11 | *5 | 65 | 30 | 5 | | Refusal at 3.30 metres bgs. Limestone bedrock. | -3.30 |
| 12 | | | | | | End of Borehole | |
| | | | | | | *Note: Sample submitted to an accredited laboratory for chemical analysis. | |

Ground Surface Elevation: N/A

Screening Tool: RKI Eagle

For Environmental Purposes Only

Sheet: 1 of 1



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF BOREHOLE: XCG-BH3

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Engineering Inc.

Borehole Diameter: 7.62 cm

Drill Method: 7822DT Geoprobe

Start Date: July 13, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 13, 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery % | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) |
|-------|------------|---------|------------|-------------------|-------------|---|----------------|
| 0 | | | | | | Ground Surface | 0.00 |
| 1 | 1 | 55 | 70 | 0 | | SAND AND GRAVEL FILL Brown sand and gravel fill, dry, dense. | |
| 2 | | | | | | | |
| 3 | 2 | - | 60 | 0 | | Large cobble at 0.91 metres bgs. | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | 3 | 98 | 10 | 0 | | | |
| 7 | | | | | | | -2.29 |
| 8 | *4 | - | 100 | 5 | | SILTY SAND Light grey sand with silt, moist. Dark brown, trace organics, trace gravel. | |
| 9 | | | | | | | |
| 10 | 5 | 75 | 10 | 0 | | Refusal at 3.35 metres bgs. Fractured bedrock, saturated, some sand infill. | -3.35 |
| 11 | | | | | | End of Borehole | |
| 12 | | | | | | *Note: Sample submitted to an accredited laboratory for chemical analysis. | |
| 13 | | | | | | | |

Ground Surface Elevation: N/A

Screening Tool: RKI Eagle



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF BOREHOLE: XCG-BH4

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Drilling

Borehole Diameter: 7.62 centimetres

Drill Method: 7822DT Geoprobe

Start Date: July 13, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 13, 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery % | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) |
|-------------|------------|---------|------------|-------------------|-------------|---|----------------|
| 0 ft 0 m | | | | | | Ground Surface | 0.00 |
| 1 | 1 | 23 | 70 | 0 | | SAND AND GRAVEL FILL Grey sand and gravel fill, dry, trace silt. Large cobble. | |
| 2 | | | | | | | |
| 3 | 2 | 40 | 50 | 0 | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | 3 | 33 | 30 | 0 | | Very moist, some cobbles and sand at 1.98 metres bgs. Coarse sand and gravel, moist. | |
| 7 | | | | | | | |
| 8 | *4 | 21 | 40 | 0 | | | |
| 9 | | | | | | Brown fractured limestone, some sand, saturated at 3.05 metres bgs. Refusal at 3.20 metres bgs. | |
| 10 | 5 | 70 | 20 | 0 | | | -3.20 |
| 11 | | | | | | End of Borehole | |
| 12 | | | | | | *Note: Sample submitted to an accredited laboratory for chemical analysis. | |

Ground Surface Elevation: N/A

Screening Tool: RKI Eagle

For Environmental Purposes Only

Sheet: 1 of 1



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF BOREHOLE: XCG-BH5

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Engineering Inc.

Borehole Diameter: 7.62 cm

Drill Method: 7822DT Geoprobe

Start Date: July 13, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 13m 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery % | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) |
|-------|------------|---------|------------|-------------------|-------------|--|----------------|
| 0 | | | | | | Ground Surface | 0.00 |
| 1 | 1 | 41 | 70 | 0 | | SAND AND GRAVEL FILL Brown sand and gravel, moist. | |
| 2 | | | | | | | |
| 3 | 2 | 14 | 70 | 0 | | Dark brown, compact sand and gravel, some silt, trace organics. | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | 3 | 51 | 50 | 15 | | Dark brown, hydrocarbon odour at 2.06 metres bgs. | |
| 7 | | | | | | | |
| 8 | *4 | 38 | 50 | 25 | | Dark brown/dark grey sand and gravel, trace silt and clay, hydrocarbon odour, dense, wet at 2.59 metres bgs. | |
| 9 | | | | | | Refusal at 2.90 metres bgs. Limestone bedrock. | -2.90 |
| 10 | | | | | | End of Borehole | |
| 11 | | | | | | *Note: Sample submitted to an accredited laboratory for chemical analysis. | |

Ground Surface Elevation: N/A

Screening Tool: RKI Eagle

For Environmental Purposes Only

Sheet: 1 of 1



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF BOREHOLE: XCG-BH6

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Engineering Inc.

Borehole Diameter: 7.62 cm

Drill Method: 7822 DT Geoprobe

Start Date: July 13, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 13, 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery % | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) |
|-------|------------|---------|------------|-------------------|-------------|---|----------------|
| 0 | | | | | | Ground Surface | 0.00 |
| 1 | 1 | 19 | 80 | 5 | | SAND AND GRAVEL FILL Brown sand and gravel, trace silt, dense, dry. | |
| 2 | | | | | | | |
| 3 | 2 | 25 | 80 | 5 | | | |
| 4 | | | | | | | |
| 5 | | | | | | SANDY SILT Brown/grey sandy silt, some clay, trace gravel. | -1.52 |
| 6 | 3 | 2 | 5 | 0 | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | *4 | 17 | 60 | 10 | | | |
| 10 | | | | | | | |
| 10 | 5 | 60 | 100 | 5 | | Weathered bedrock, saturated at 3.04 metres bgs. | -3.28 |
| 11 | | | | | | End of Borehole | |
| 12 | | | | | | *Note: Sample submitted to an accredited laboratory for chemical analysis. | |

Ground Surface Elevation: N/A

Screening Tool: Rkl eagle

For Environmental Purposes Only

Sheet: 1 of 1



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF WELL: XCG-MW1

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Engineering Inc.

Borehole Diameter: 7.62 cm

Drill Method: 7822DT Geoprobe

Start Date: July 8, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 8, 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery (%) | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) | Well Completion | Well Details |
|-------|------------|---------|--------------|-------------------|-------------|---|----------------|-----------------|--------------------------|
| 0 | | | | | | Ground Surface | 0.0 | | |
| 0 | 1 | 66 | 50 | 5 | | SAND AND GRAVEL FILL Brown sand and gravel, some silt, dry. | -0.8 | | Flush Mount Steel Casing |
| 2 | 2 | 30 | 75 | 5 | | SILTY SAND Light brown silty sand, trace gravel, dry. 5 cm thick clay seam at 1.22 metres below ground surface (bgs) | -1.5 | | |
| 4 | 3 | 40 | 75 | 10 | | SAND AND GRAVEL Brown sand with gravel, some cobbles, dense. | -2.3 | | |
| 6 | 4 | 75 | 40 | 15 | | SAND Brown medium to coarse grained sand, moist. Large cobble | -3.0 | | |
| 8 | 5 | 91 | 30 | 25 | | SAND AND GRAVEL Brown sand and gravel, trace silt, moist to wet. Weathered bedrock at 3.35 metres bgs. | -4.0 | | |
| 10 | *6 | - | 30 | 35 | | Refusal at 3.96 metres bgs. | -4.0 | | |
| 12 | | | | | | End of Borehole | | | |
| 14 | | | | | | *Note: Sample submitted to an accredited laboratory for chemical analysis. | | | |

Groundwater Elevation: 97.97 m.a.s.d. (July 13, 2016)

Screening Tool: RKI Eagle

T.O.P Elevation: 100.423 m.a.s.d.

Ground Surface Elevation: 100.511 m.a.s.d.

Monitoring Well Log

Sheet: 1 of 1



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF WELL: XCG-MW2

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Engineering Inc.

Borehole Diameter: 7.62 cm

Drill Method: 7822DT Geoprobe

Start Date: July 8, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 8, 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery (%) | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) | Well Completion | Well Details |
|-------|------------|---------|--------------|-------------------|-------------|---|----------------|---|--------------|
| 0 | | | | | | Ground Surface | 0.0 | | |
| 0 | 1 | 21 | 50 | 5 | | SAND AND GRAVEL FILL Crushed gravel at surface underlain by grey/brown sand and gravel, some silt, moist. | -0.8 | <p>Concrete</p> <p>Bentonite</p> <p>#3 Silica Sand</p> <p>Flush Mount Steel Casing</p> <p>5cm Dia. 10 Slot PVC Screen</p> | |
| 2 | 2 | 2 | 50 | 5 | | SANDY SILT Dark brown sandy silt, decomposed wood and plant material. | | | |
| 4 | 3 | 1 | 50 | 0 | | SAND AND GRAVEL Grey sand and gravel to sandy gravel, trace silt, moist. | -2.3 | | |
| 6 | *4 | 54 | 75 | 5 | | SAND AND GRAVEL Grey sand and gravel to sandy gravel, trace silt, moist. | -3.0 | | |
| 8 | | | | | | End of Borehole | | | |
| 10 | | | | | | | | | |
| 12 | | | | | | | | | |

Groundwater Elevation: 97.87 m.a.s.d. (July 13, 2016)

Screening Tool: RKI Eagle

T.O.P Elevation: 100.126 m.a.s.d.

Ground Surface Elevation: 100.231 m.a.s.d.

Monitoring Well Log

Sheet: 1 of 1



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF WELL: XCG-MW3

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Engineering Inc.

Borehole Diameter: 7.62 cm

Drill Method: 7822DT Geoprobe

Start Date: July 8, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 8, 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery (%) | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) | Well Completion | Well Details |
|-------|------------|---------|--------------|-------------------|-------------|--|----------------|---|--------------|
| 0 | | | | | | Ground Surface | 0.0 | | |
| 0 | 1 | 21 | 75 | 5 | | CONCRETE SAND AND GRAVEL FILL Brown sand and gravel, dark brown/black staining, hydrocarbon odour. | -0.1 | <p>Concrete</p> <p>Bentonite</p> <p>#3 Silica Sand</p> <p>Flush Mount Steel Casing</p> <p>5cm Dia. 10 Slot PVC Screen</p> | |
| 2 | 2 | 19 | 25 | 0 | | SAND Sand with topsoil, black staining, hydrocarbon odour. Large cobble. | -0.8 | | |
| 4 | 3 | 10 | 20 | 20 | | SAND AND GRAVEL Brown/grey, large cobbles, some sand, moist to wet rocks, hydrocarbon odour. | -1.5 | | |
| 8 | *4 | 12 | 25 | 190 | | Gravel infilled with sand, saturated, strong hydrocarbon odour, oily sheen on water in split spoon. Grey coarse grained sand and gravel, hydrocarbon odour. | | | |
| 10 | 5 | 64 | 25 | 25 | | Refusal at 3.35 metres bgs. Limestone bedrock. | -3.4 | | |
| 12 | | | | | | End of Borehole | | | |

Groundwater Elevation: 97.99 m.a.s.d. (July 13, 2016)

Screening Tool: RKI Eagle

T.O.P Elevation: 99.768 m.a.s.d.

Ground Surface Elevation: 99.850 m.a.s.d.

Monitoring Well Log

Sheet: 1 of 1



Project #: 5-2705-14-02

Privileged and Confidential

Project: Phase II ESA

LOG OF WELL: XCG-MW4

Client: The Tricar Group

Location: 71 Wyndham Street South, Guelph

Driller: CMT Engineering Inc.

Borehole Diameter: 7.62 cm

Drill Method: 7822DT Geoprobe

Start Date: July 8, 2016

Checked By: KP

Sample Method: SPT/MC5 Continuous

Completed: July 8, 2016

Logged By: TM

| Depth | Sample No. | N-Value | Recovery (%) | Vapour Conc (ppm) | Graphic Log | Geology Description | Depth/Elev (m) | Well Completion | Well Details |
|-------|------------|---------|--------------|-------------------|-------------|---|----------------|---|--------------|
| 0 | | | | | | Ground Surface | 0.0 | | |
| 0 | 1 | 4 | 50 | 0 | | CONCRETE SAND AND GRAVEL FILL Brown sand and gravel, dry. | -0.1 | <p>Concrete</p> <p>Bentonite</p> <p>#3 Silica Sand</p> <p>5cm Dia. 10 Slot PVC Screen</p> <p>Flush Mount Steel Casing</p> | |
| 2 | 2 | 3 | 20 | 10 | | SAND FILL Black/brown stained sand, some gravel, hydrocarbon odour. | -0.8 | | |
| 4 | *3 | 4 | 30 | 140 | | SAND AND GRAVEL Black sand and gravel fill, traces of wood, strong hydrocarbon odour, moist to wet. | -1.4 | | |
| 8 | 4 | 11 | 40 | 80 | | Grey weathered bedrock at 2.74 metres bgs. Coarse grey sand and gravel, underlain by competent bedrock. | -2.9 | | |
| 10 | | | | | | End of Borehole | | | |
| | | | | | | *Note: Sample submitted to an accredited laboratory for chemical analysis. | | | |

Groundwater Elevation: 98.05 m.a.s.d. (July 13, 2016)

Screening Tool: RKI Eagle

T.O.P Elevation: 99.780 m.a.s.d.

Ground Surface Elevation: 99.893 m.a.s.d.

Monitoring Well Log

Sheet: 1 of 1

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

Attention: Kristian Peter

XCG Consulting Limited
820 Trillium Dr
Kitchener, ON
N2R 1K4

Report Date: 2016/07/15

Report #: R4066374

Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6E2939

Received: 2016/07/11, 08:57

Sample Matrix: Soil
Samples Received: 5

| Analyses | Quantity | Date | | Laboratory Method | Reference |
|--|----------|------------|------------|-------------------|----------------------|
| | | Extracted | Analyzed | | |
| Methylnaphthalene Sum | 2 | N/A | 2016/07/14 | CAM SOP-00301 | EPA 8270D m |
| Methylnaphthalene Sum | 2 | N/A | 2016/07/15 | CAM SOP-00301 | EPA 8270D m |
| Hot Water Extractable Boron | 4 | 2016/07/14 | 2016/07/14 | CAM SOP-00408 | R153 Ana. Prot. 2011 |
| 1,3-Dichloropropene Sum | 4 | N/A | 2016/07/15 | | EPA 8260C m |
| Hexavalent Chromium in Soil by IC (1) | 4 | 2016/07/13 | 2016/07/14 | CAM SOP-00436 | EPA 3060/7199 m |
| Petroleum Hydrocarbons F2-F4 in Soil (2) | 4 | 2016/07/14 | 2016/07/15 | CAM SOP-00316 | CCME CWS m |
| Strong Acid Leachable Metals by ICPMS | 3 | 2016/07/13 | 2016/07/14 | CAM SOP-00447 | EPA 6020A m |
| Strong Acid Leachable Metals by ICPMS | 1 | 2016/07/14 | 2016/07/14 | CAM SOP-00447 | EPA 6020A m |
| Moisture | 4 | N/A | 2016/07/13 | CAM SOP-00445 | Carter 2nd ed 51.2 m |
| Moisture | 1 | N/A | 2016/07/14 | CAM SOP-00445 | Carter 2nd ed 51.2 m |
| PAH Compounds in Soil by GC/MS (SIM) | 2 | 2016/07/12 | 2016/07/13 | CAM SOP-00318 | EPA 8270D m |
| PAH Compounds in Soil by GC/MS (SIM) | 2 | 2016/07/12 | 2016/07/14 | CAM SOP-00318 | EPA 8270D m |
| Volatile Organic Compounds and F1 PHCs | 4 | N/A | 2016/07/14 | CAM SOP-00230 | EPA 8260C m |

Remarks:

Maxxam Analytics has performed all analytical testing herein in accordance with ISO 17025 and the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. All methodologies comply with this document and are validated for use in the laboratory. The methods and techniques employed in this analysis conform to the performance criteria (detection limits, accuracy and precision) as outlined in the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act.

Maxxam Analytics is accredited for all specific parameters as required by Ontario Regulation 153/04. Maxxam Analytics is limited in liability to the actual cost of analysis unless otherwise agreed in writing. There is no other warranty expressed or implied. Samples will be retained at Maxxam Analytics for three weeks from receipt of data or as per contract.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Soils are reported on a dry weight basis unless otherwise specified.

(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Maxxam conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Your Project #: 5-2705-14-02
Your C.O.C. #: 569052-01-01

Attention:Kristian Peter

XCG Consulting Limited
820 Trillium Dr
Kitchener, ON
N2R 1K4

Report Date: 2016/07/15
Report #: R4066374
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6E2939

Received: 2016/07/11, 08:57

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Marijane Cruz, Senior Project Manager

Email: MCruz@maxxam.ca

Phone# (905)817-5756

=====
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

O.REG 153 METALS PACKAGE (SOIL)

| Maxxam ID | | CRL334 | | CRL335 | CRL335 | CRL336 | | |
|--|-------|---------------------|----------|---------------------|------------------------|---------------------|-------|----------|
| Sampling Date | | 2016/07/08 10:55 | | 2016/07/08 13:30 | 2016/07/08 13:30 | 2016/07/08 14:30 | | |
| COC Number | | 569052-01-01 | | 569052-01-01 | 569052-01-01 | 569052-01-01 | | |
| | UNITS | XCG-MW3-SS5 | QC Batch | XCG-MW4-SS3 | XCG-MW4-SS3 Lab-Dup | XCG-MW2-SS4 | RDL | QC Batch |
| Inorganics | | | | | | | | |
| Moisture | % | 11 | 4576196 | 18 | N/A | 13 | 1.0 | 4576304 |
| Chromium (VI) | ug/g | <0.2 | 4576163 | <0.2 | N/A | <0.2 | 0.2 | 4576163 |
| Metals | | | | | | | | |
| Hot Water Ext. Boron (B) | ug/g | 0.15 | 4577882 | 0.30 | 0.30 | 0.14 | 0.050 | 4578255 |
| Acid Extractable Antimony (Sb) | ug/g | <0.20 | 4577993 | <0.20 | N/A | <0.20 | 0.20 | 4576805 |
| Acid Extractable Arsenic (As) | ug/g | 2.9 | 4577993 | 2.4 | N/A | 3.6 | 1.0 | 4576805 |
| Acid Extractable Barium (Ba) | ug/g | 25 | 4577993 | 33 | N/A | 15 | 0.50 | 4576805 |
| Acid Extractable Beryllium (Be) | ug/g | <0.20 | 4577993 | <0.20 | N/A | <0.20 | 0.20 | 4576805 |
| Acid Extractable Boron (B) | ug/g | 7.5 | 4577993 | 6.0 | N/A | 8.4 | 5.0 | 4576805 |
| Acid Extractable Cadmium (Cd) | ug/g | 0.84 | 4577993 | 0.77 | N/A | 0.40 | 0.10 | 4576805 |
| Acid Extractable Chromium (Cr) | ug/g | 7.9 | 4577993 | 8.4 | N/A | 7.1 | 1.0 | 4576805 |
| Acid Extractable Cobalt (Co) | ug/g | 2.6 | 4577993 | 2.6 | N/A | 2.5 | 0.10 | 4576805 |
| Acid Extractable Copper (Cu) | ug/g | 16 | 4577993 | 13 | N/A | 17 | 0.50 | 4576805 |
| Acid Extractable Lead (Pb) | ug/g | 75 | 4577993 | 410 | N/A | 50 | 1.0 | 4576805 |
| Acid Extractable Molybdenum (Mo) | ug/g | 0.75 | 4577993 | 0.58 | N/A | 2.7 | 0.50 | 4576805 |
| Acid Extractable Nickel (Ni) | ug/g | 8.1 | 4577993 | 8.2 | N/A | 7.6 | 0.50 | 4576805 |
| Acid Extractable Selenium (Se) | ug/g | <0.50 | 4577993 | <0.50 | N/A | <0.50 | 0.50 | 4576805 |
| Acid Extractable Silver (Ag) | ug/g | <0.20 | 4577993 | <0.20 | N/A | <0.20 | 0.20 | 4576805 |
| Acid Extractable Thallium (Tl) | ug/g | 0.13 | 4577993 | 0.16 | N/A | 0.078 | 0.050 | 4576805 |
| Acid Extractable Uranium (U) | ug/g | 0.77 | 4577993 | 0.61 | N/A | 1.0 | 0.050 | 4576805 |
| Acid Extractable Vanadium (V) | ug/g | 12 | 4577993 | 12 | N/A | 9.6 | 5.0 | 4576805 |
| Acid Extractable Zinc (Zn) | ug/g | 560 | 4577993 | 780 | N/A | 280 | 5.0 | 4576805 |
| Acid Extractable Mercury (Hg) | ug/g | <0.050 | 4577993 | <0.050 | N/A | <0.050 | 0.050 | 4576805 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable | | | | | | | | |

O.REG 153 METALS PACKAGE (SOIL)

| | | | | |
|----------------------------------|--------------|---------------------|------------|-----------------|
| Maxxam ID | | CRL337 | | |
| Sampling Date | | 2016/07/08 16:00 | | |
| COC Number | | 569052-01-01 | | |
| | UNITS | XCG-MW1-SS6 | RDL | QC Batch |
| Inorganics | | | | |
| Moisture | % | 11 | 1.0 | 4576304 |
| Chromium (VI) | ug/g | <0.2 | 0.2 | 4576163 |
| Metals | | | | |
| Hot Water Ext. Boron (B) | ug/g | 0.070 | 0.050 | 4578255 |
| Acid Extractable Antimony (Sb) | ug/g | <0.20 | 0.20 | 4576805 |
| Acid Extractable Arsenic (As) | ug/g | 1.6 | 1.0 | 4576805 |
| Acid Extractable Barium (Ba) | ug/g | 13 | 0.50 | 4576805 |
| Acid Extractable Beryllium (Be) | ug/g | <0.20 | 0.20 | 4576805 |
| Acid Extractable Boron (B) | ug/g | 7.6 | 5.0 | 4576805 |
| Acid Extractable Cadmium (Cd) | ug/g | 0.19 | 0.10 | 4576805 |
| Acid Extractable Chromium (Cr) | ug/g | 6.6 | 1.0 | 4576805 |
| Acid Extractable Cobalt (Co) | ug/g | 1.7 | 0.10 | 4576805 |
| Acid Extractable Copper (Cu) | ug/g | 7.7 | 0.50 | 4576805 |
| Acid Extractable Lead (Pb) | ug/g | 14 | 1.0 | 4576805 |
| Acid Extractable Molybdenum (Mo) | ug/g | 0.66 | 0.50 | 4576805 |
| Acid Extractable Nickel (Ni) | ug/g | 4.1 | 0.50 | 4576805 |
| Acid Extractable Selenium (Se) | ug/g | <0.50 | 0.50 | 4576805 |
| Acid Extractable Silver (Ag) | ug/g | <0.20 | 0.20 | 4576805 |
| Acid Extractable Thallium (Tl) | ug/g | 0.052 | 0.050 | 4576805 |
| Acid Extractable Uranium (U) | ug/g | 0.39 | 0.050 | 4576805 |
| Acid Extractable Vanadium (V) | ug/g | 9.6 | 5.0 | 4576805 |
| Acid Extractable Zinc (Zn) | ug/g | 140 | 5.0 | 4576805 |
| Acid Extractable Mercury (Hg) | ug/g | <0.050 | 0.050 | 4576805 |
| RDL = Reportable Detection Limit | | | | |
| QC Batch = Quality Control Batch | | | | |

O.REG 153 PAHS (SOIL)

| Maxxam ID | | CRL333 | CRL335 | | CRL336 | CRL337 | | |
|--|-------|---------------------|---------------------|-------|---------------------|---------------------|--------|----------|
| Sampling Date | | 2016/07/08 10:50 | 2016/07/08 13:30 | | 2016/07/08 14:30 | 2016/07/08 16:00 | | |
| COC Number | | 569052-01-01 | 569052-01-01 | | 569052-01-01 | 569052-01-01 | | |
| | UNITS | XCG-MW3-SS4 | XCG-MW4-SS3 | RDL | XCG-MW2-SS4 | XCG-MW1-SS6 | RDL | QC Batch |
| Inorganics | | | | | | | | |
| Moisture | % | 17 | N/A | 1.0 | N/A | N/A | 1.0 | 4578610 |
| Calculated Parameters | | | | | | | | |
| Methylnaphthalene, 2-(1-) | ug/g | 1.2 | 1.3 | 0.071 | <0.0071 | <0.0071 | 0.0071 | 4573871 |
| Polyaromatic Hydrocarbons | | | | | | | | |
| Acenaphthene | ug/g | <0.050 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Acenaphthylene | ug/g | <0.050 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Anthracene | ug/g | 0.058 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Benzo(a)anthracene | ug/g | 0.068 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Benzo(a)pyrene | ug/g | <0.050 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Benzo(b/j)fluoranthene | ug/g | <0.050 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Benzo(g,h,i)perylene | ug/g | <0.050 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Benzo(k)fluoranthene | ug/g | <0.050 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Chrysene | ug/g | 0.054 | <0.050 | 0.050 | 0.0066 | <0.0050 | 0.0050 | 4575723 |
| Dibenz(a,h)anthracene | ug/g | <0.050 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Fluoranthene | ug/g | 0.091 | 0.071 | 0.050 | <0.0050 | 0.011 | 0.0050 | 4575723 |
| Fluorene | ug/g | 0.069 | 0.065 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Indeno(1,2,3-cd)pyrene | ug/g | <0.050 | <0.050 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| 1-Methylnaphthalene | ug/g | 0.60 | 0.58 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| 2-Methylnaphthalene | ug/g | 0.59 | 0.75 | 0.050 | 0.0052 | <0.0050 | 0.0050 | 4575723 |
| Naphthalene | ug/g | 0.32 | 0.37 | 0.050 | <0.0050 | <0.0050 | 0.0050 | 4575723 |
| Phenanthrene | ug/g | 0.18 | 0.17 | 0.050 | 0.0078 | 0.0082 | 0.0050 | 4575723 |
| Pyrene | ug/g | 0.14 | 0.15 | 0.050 | <0.0050 | 0.0088 | 0.0050 | 4575723 |
| Surrogate Recovery (%) | | | | | | | | |
| D10-Anthracene | % | 97 | 100 | N/A | 85 | 85 | N/A | 4575723 |
| D14-Terphenyl (FS) | % | 70 | 94 | N/A | 78 | 78 | N/A | 4575723 |
| D8-Acenaphthylene | % | 93 | 89 | N/A | 93 | 94 | N/A | 4575723 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | | | | | |

O.REG 153 VOCS & F1-F4 (SOIL)

| Maxxam ID | | CRL333 | CRL335 | CRL336 | CRL337 | | |
|-------------------------------------|-------|---------------------|---------------------|---------------------|---------------------|-------|----------|
| Sampling Date | | 2016/07/08 10:50 | 2016/07/08 13:30 | 2016/07/08 14:30 | 2016/07/08 16:00 | | |
| COC Number | | 569052-01-01 | 569052-01-01 | 569052-01-01 | 569052-01-01 | | |
| | UNITS | XCG-MW3-SS4 | XCG-MW4-SS3 | XCG-MW2-SS4 | XCG-MW1-SS6 | RDL | QC Batch |
| Calculated Parameters | | | | | | | |
| 1,3-Dichloropropene (cis+trans) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4573549 |
| Volatile Organics | | | | | | | |
| Acetone (2-Propanone) | ug/g | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4576650 |
| Benzene | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4576650 |
| Bromodichloromethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Bromoform | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Bromomethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Carbon Tetrachloride | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Chlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Chloroform | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Dibromochloromethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,2-Dichlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,3-Dichlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,4-Dichlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Dichlorodifluoromethane (FREON 12) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,1-Dichloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,2-Dichloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,1-Dichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| cis-1,2-Dichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| trans-1,2-Dichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,2-Dichloropropane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| cis-1,3-Dichloropropene | ug/g | <0.030 | <0.030 | <0.030 | <0.030 | 0.030 | 4576650 |
| trans-1,3-Dichloropropene | ug/g | <0.040 | <0.040 | <0.040 | <0.040 | 0.040 | 4576650 |
| Ethylbenzene | ug/g | 0.043 | <0.020 | <0.020 | <0.020 | 0.020 | 4576650 |
| Ethylene Dibromide | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Hexane | ug/g | 0.075 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Methylene Chloride(Dichloromethane) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Methyl Ethyl Ketone (2-Butanone) | ug/g | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4576650 |
| Methyl Isobutyl Ketone | ug/g | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4576650 |
| Methyl t-butyl ether (MTBE) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Styrene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,1,1,2-Tetrachloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,1,2,2-Tetrachloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Tetrachloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Toluene | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4576650 |
| RDL = Reportable Detection Limit | | | | | | | |
| QC Batch = Quality Control Batch | | | | | | | |

O.REG 153 VOCS & F1-F4 (SOIL)

| Maxxam ID | | CRL333 | CRL335 | CRL336 | CRL337 | | |
|--|-------|---------------------|---------------------|---------------------|---------------------|-------|----------|
| Sampling Date | | 2016/07/08 10:50 | 2016/07/08 13:30 | 2016/07/08 14:30 | 2016/07/08 16:00 | | |
| COC Number | | 569052-01-01 | 569052-01-01 | 569052-01-01 | 569052-01-01 | | |
| | UNITS | XCG-MW3-SS4 | XCG-MW4-SS3 | XCG-MW2-SS4 | XCG-MW1-SS6 | RDL | QC Batch |
| 1,1,1-Trichloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| 1,1,2-Trichloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Trichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Trichlorofluoromethane (FREON 11) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4576650 |
| Vinyl Chloride | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4576650 |
| p+m-Xylene | ug/g | 0.18 | 0.13 | <0.020 | <0.020 | 0.020 | 4576650 |
| o-Xylene | ug/g | 0.046 | <0.020 | <0.020 | <0.020 | 0.020 | 4576650 |
| Total Xylenes | ug/g | 0.23 | 0.13 | <0.020 | <0.020 | 0.020 | 4576650 |
| F1 (C6-C10) | ug/g | <10 | <10 | <10 | <10 | 10 | 4576650 |
| F1 (C6-C10) - BTEX | ug/g | <10 | <10 | <10 | <10 | 10 | 4576650 |
| F2-F4 Hydrocarbons | | | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/g | 41 | 120 | <10 | <10 | 10 | 4578803 |
| F3 (C16-C34 Hydrocarbons) | ug/g | 2200 | 5200 | <50 | <50 | 50 | 4578803 |
| F4 (C34-C50 Hydrocarbons) | ug/g | 500 | 1200 | <50 | <50 | 50 | 4578803 |
| Reached Baseline at C50 | ug/g | Yes | Yes | Yes | Yes | N/A | 4578803 |
| Surrogate Recovery (%) | | | | | | | |
| o-Terphenyl | % | 99 | 99 | 98 | 96 | N/A | 4578803 |
| 4-Bromofluorobenzene | % | 94 | 94 | 94 | 93 | N/A | 4576650 |
| D10-o-Xylene | % | 95 | 100 | 93 | 94 | N/A | 4576650 |
| D4-1,2-Dichloroethane | % | 103 | 103 | 103 | 103 | N/A | 4576650 |
| D8-Toluene | % | 98 | 98 | 97 | 98 | N/A | 4576650 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | | | | |

TEST SUMMARY

Maxxam ID: CRL333
Sample ID: XCG-MW3-SS4
Matrix: Soil

Collected: 2016/07/08
Shipped:
Received: 2016/07/11

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|-------------------|
| Methylnaphthalene Sum | CALC | 4573871 | N/A | 2016/07/15 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4573549 | N/A | 2016/07/15 | Automated Statchk |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4578803 | 2016/07/14 | 2016/07/15 | Barbara Wowk |
| Moisture | BAL | 4578610 | N/A | 2016/07/14 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4575723 | 2016/07/12 | 2016/07/14 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4576650 | N/A | 2016/07/14 | Denis Reid |

Maxxam ID: CRL334
Sample ID: XCG-MW3-SS5
Matrix: Soil

Collected: 2016/07/08
Shipped:
Received: 2016/07/11

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---------------------------------------|-----------------|---------|------------|---------------|--------------------|
| Hot Water Extractable Boron | ICP | 4577882 | 2016/07/14 | 2016/07/14 | Jolly John |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4576163 | 2016/07/13 | 2016/07/14 | Sally Coughlin |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4577993 | 2016/07/14 | 2016/07/14 | Viviana Canzonieri |
| Moisture | BAL | 4576196 | N/A | 2016/07/13 | Valentina Kaftani |

Maxxam ID: CRL335
Sample ID: XCG-MW4-SS3
Matrix: Soil

Collected: 2016/07/08
Shipped:
Received: 2016/07/11

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4573871 | N/A | 2016/07/15 | Automated Statchk |
| Hot Water Extractable Boron | ICP | 4578255 | 2016/07/14 | 2016/07/14 | Jolly John |
| 1,3-Dichloropropene Sum | CALC | 4573549 | N/A | 2016/07/15 | Automated Statchk |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4576163 | 2016/07/13 | 2016/07/14 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4578803 | 2016/07/14 | 2016/07/15 | Barbara Wowk |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4576805 | 2016/07/13 | 2016/07/14 | Viviana Canzonieri |
| Moisture | BAL | 4576304 | N/A | 2016/07/13 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4575723 | 2016/07/12 | 2016/07/14 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4576650 | N/A | 2016/07/14 | Denis Reid |

Maxxam ID: CRL335 Dup
Sample ID: XCG-MW4-SS3
Matrix: Soil

Collected: 2016/07/08
Shipped:
Received: 2016/07/11

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|-----------------------------|-----------------|---------|------------|---------------|------------|
| Hot Water Extractable Boron | ICP | 4578255 | 2016/07/14 | 2016/07/14 | Jolly John |

Maxxam ID: CRL336
Sample ID: XCG-MW2-SS4
Matrix: Soil

Collected: 2016/07/08
Shipped:
Received: 2016/07/11

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|-----------------------------|-----------------|---------|------------|---------------|-------------------|
| Methylnaphthalene Sum | CALC | 4573871 | N/A | 2016/07/14 | Automated Statchk |
| Hot Water Extractable Boron | ICP | 4578255 | 2016/07/14 | 2016/07/14 | Jolly John |

TEST SUMMARY

Maxxam ID: CRL336
Sample ID: XCG-MW2-SS4
Matrix: Soil

Collected: 2016/07/08
Shipped:
Received: 2016/07/11

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| 1,3-Dichloropropene Sum | CALC | 4573549 | N/A | 2016/07/15 | Automated Statchk |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4576163 | 2016/07/13 | 2016/07/14 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4578803 | 2016/07/14 | 2016/07/15 | Barbara Wowk |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4576805 | 2016/07/13 | 2016/07/14 | Viviana Canzonieri |
| Moisture | BAL | 4576304 | N/A | 2016/07/13 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4575723 | 2016/07/12 | 2016/07/13 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4576650 | N/A | 2016/07/14 | Denis Reid |

Maxxam ID: CRL337
Sample ID: XCG-MW1-SS6
Matrix: Soil

Collected: 2016/07/08
Shipped:
Received: 2016/07/11

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4573871 | N/A | 2016/07/14 | Automated Statchk |
| Hot Water Extractable Boron | ICP | 4578255 | 2016/07/14 | 2016/07/14 | Jolly John |
| 1,3-Dichloropropene Sum | CALC | 4573549 | N/A | 2016/07/15 | Automated Statchk |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4576163 | 2016/07/13 | 2016/07/14 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4578803 | 2016/07/14 | 2016/07/15 | Barbara Wowk |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4576805 | 2016/07/13 | 2016/07/14 | Viviana Canzonieri |
| Moisture | BAL | 4576304 | N/A | 2016/07/13 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4575723 | 2016/07/12 | 2016/07/13 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4576650 | N/A | 2016/07/14 | Denis Reid |

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

| | |
|-----------|--------|
| Package 1 | -0.3°C |
|-----------|--------|

Sample CRL333-01 : PAH Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

VOCF1 Analysis: Greater than 10g of soil was submitted in the field preserved vial. This significantly exceeds the protocol specification of approximately 5g. Additional methanol was added to the vial to ensure extraction efficiency.

Sample CRL335-01 : PAH Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

VOCF1 Analysis: Greater than 10g of soil was submitted in the field preserved vial. This significantly exceeds the protocol specification of approximately 5g. Additional methanol was added to the vial to ensure extraction efficiency.

Sample CRL337-01 : VOCF1 Analysis: Greater than 10g of soil was submitted in the field preserved vial. This significantly exceeds the protocol specification of approximately 5g. Additional methanol was added to the vial to ensure extraction efficiency.

Results relate only to the items tested.

QUALITY ASSURANCE REPORT

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|----------|---------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 4575723 | D10-Anthracene | 2016/07/13 | 82 | 50 - 130 | 82 | 50 - 130 | 79 | % | | |
| 4575723 | D14-Terphenyl (FS) | 2016/07/13 | 85 | 50 - 130 | 86 | 50 - 130 | 81 | % | | |
| 4575723 | D8-Acenaphthylene | 2016/07/13 | 83 | 50 - 130 | 81 | 50 - 130 | 78 | % | | |
| 4576650 | 4-Bromofluorobenzene | 2016/07/14 | 100 | 60 - 140 | 99 | 60 - 140 | 95 | % | | |
| 4576650 | D10-o-Xylene | 2016/07/14 | 100 | 60 - 130 | 101 | 60 - 130 | 96 | % | | |
| 4576650 | D4-1,2-Dichloroethane | 2016/07/14 | 101 | 60 - 140 | 100 | 60 - 140 | 100 | % | | |
| 4576650 | D8-Toluene | 2016/07/14 | 104 | 60 - 140 | 103 | 60 - 140 | 97 | % | | |
| 4578803 | o-Terphenyl | 2016/07/14 | 95 | 60 - 130 | 92 | 60 - 130 | 93 | % | | |
| 4575723 | 1-Methylnaphthalene | 2016/07/13 | 74 | 50 - 130 | 68 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | 2-Methylnaphthalene | 2016/07/13 | 72 | 50 - 130 | 70 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Acenaphthene | 2016/07/13 | 81 | 50 - 130 | 86 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Acenaphthylene | 2016/07/13 | 80 | 50 - 130 | 79 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Anthracene | 2016/07/13 | 76 | 50 - 130 | 75 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Benzo(a)anthracene | 2016/07/13 | 85 | 50 - 130 | 87 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Benzo(a)pyrene | 2016/07/13 | 89 | 50 - 130 | 91 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Benzo(b,j)fluoranthene | 2016/07/13 | 88 | 50 - 130 | 95 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Benzo(g,h,i)perylene | 2016/07/13 | 74 | 50 - 130 | 78 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Benzo(k)fluoranthene | 2016/07/13 | 76 | 50 - 130 | 92 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Chrysene | 2016/07/13 | 85 | 50 - 130 | 86 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Dibenz(a,h)anthracene | 2016/07/13 | 77 | 50 - 130 | 77 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Fluoranthene | 2016/07/13 | 85 | 50 - 130 | 88 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Fluorene | 2016/07/13 | 79 | 50 - 130 | 79 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Indeno(1,2,3-cd)pyrene | 2016/07/13 | 89 | 50 - 130 | 90 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Naphthalene | 2016/07/13 | 74 | 50 - 130 | 74 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Phenanthrene | 2016/07/13 | 79 | 50 - 130 | 81 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4575723 | Pyrene | 2016/07/13 | 86 | 50 - 130 | 87 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 |
| 4576163 | Chromium (VI) | 2016/07/14 | 42 (2) | 75 - 125 | 90 | 80 - 120 | <0.2 | ug/g | NC (1) | 35 |
| 4576196 | Moisture | 2016/07/13 | | | | | | | NC (1) | 20 |
| 4576304 | Moisture | 2016/07/13 | | | | | | | 1.8 (1) | 20 |
| 4576650 | 1,1,1,2-Tetrachloroethane | 2016/07/14 | 102 | 60 - 140 | 100 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | 1,1,1-Trichloroethane | 2016/07/14 | 101 | 60 - 140 | 99 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|----------|-------------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 4576650 | 1,1,2,2-Tetrachloroethane | 2016/07/14 | 103 | 60 - 140 | 101 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | 1,1,2-Trichloroethane | 2016/07/14 | 102 | 60 - 140 | 99 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | 1,1-Dichloroethane | 2016/07/14 | 102 | 60 - 140 | 100 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | 1,1-Dichloroethylene | 2016/07/14 | 109 | 60 - 140 | 106 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | 1,2-Dichlorobenzene | 2016/07/14 | 104 | 60 - 140 | 102 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | 1,2-Dichloroethane | 2016/07/14 | 99 | 60 - 140 | 98 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | 1,2-Dichloropropane | 2016/07/14 | 101 | 60 - 140 | 100 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | 1,3-Dichlorobenzene | 2016/07/14 | 103 | 60 - 140 | 101 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | 1,4-Dichlorobenzene | 2016/07/14 | 103 | 60 - 140 | 101 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Acetone (2-Propanone) | 2016/07/14 | 103 | 60 - 140 | 102 | 60 - 140 | <0.50 | ug/g | NC (1) | 50 |
| 4576650 | Benzene | 2016/07/14 | 101 | 60 - 140 | 99 | 60 - 130 | <0.020 | ug/g | NC (1) | 50 |
| 4576650 | Bromodichloromethane | 2016/07/14 | 101 | 60 - 140 | 100 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Bromoform | 2016/07/14 | 100 | 60 - 140 | 99 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Bromomethane | 2016/07/14 | 95 | 60 - 140 | 91 | 60 - 140 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Carbon Tetrachloride | 2016/07/14 | 105 | 60 - 140 | 103 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Chlorobenzene | 2016/07/14 | 103 | 60 - 140 | 102 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Chloroform | 2016/07/14 | 103 | 60 - 140 | 100 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | cis-1,2-Dichloroethylene | 2016/07/14 | 103 | 60 - 140 | 101 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | cis-1,3-Dichloropropene | 2016/07/14 | 100 | 60 - 140 | 97 | 60 - 130 | <0.030 | ug/g | NC (1) | 50 |
| 4576650 | Dibromochloromethane | 2016/07/14 | 102 | 60 - 140 | 101 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Dichlorodifluoromethane (FREON 12) | 2016/07/14 | 125 | 60 - 140 | 122 | 60 - 140 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Ethylbenzene | 2016/07/14 | 101 | 60 - 140 | 100 | 60 - 130 | <0.020 | ug/g | NC (1) | 50 |
| 4576650 | Ethylene Dibromide | 2016/07/14 | 101 | 60 - 140 | 101 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | F1 (C6-C10) - BTEX | 2016/07/14 | | | | | <10 | ug/g | NC (1) | 30 |
| 4576650 | F1 (C6-C10) | 2016/07/14 | 90 | 60 - 140 | 102 | 80 - 120 | <10 | ug/g | NC (1) | 30 |
| 4576650 | Hexane | 2016/07/14 | 105 | 60 - 140 | 103 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Methyl Ethyl Ketone (2-Butanone) | 2016/07/14 | 99 | 60 - 140 | 98 | 60 - 140 | <0.50 | ug/g | NC (1) | 50 |
| 4576650 | Methyl Isobutyl Ketone | 2016/07/14 | 101 | 60 - 140 | 100 | 60 - 130 | <0.50 | ug/g | NC (1) | 50 |
| 4576650 | Methyl t-butyl ether (MTBE) | 2016/07/14 | 103 | 60 - 140 | 102 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Methylene Chloride(Dichloromethane) | 2016/07/14 | 97 | 60 - 140 | 95 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | o-Xylene | 2016/07/14 | 103 | 60 - 140 | 102 | 60 - 130 | <0.020 | ug/g | NC (1) | 50 |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|----------|-----------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 4576650 | p+m-Xylene | 2016/07/14 | 97 | 60 - 140 | 96 | 60 - 130 | <0.020 | ug/g | NC (1) | 50 |
| 4576650 | Styrene | 2016/07/14 | 101 | 60 - 140 | 99 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Tetrachloroethylene | 2016/07/14 | 103 | 60 - 140 | 101 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Toluene | 2016/07/14 | 98 | 60 - 140 | 96 | 60 - 130 | <0.020 | ug/g | NC (1) | 50 |
| 4576650 | Total Xylenes | 2016/07/14 | | | | | <0.020 | ug/g | NC (1) | 50 |
| 4576650 | trans-1,2-Dichloroethylene | 2016/07/14 | 102 | 60 - 140 | 99 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | trans-1,3-Dichloropropene | 2016/07/14 | 101 | 60 - 140 | 95 | 60 - 130 | <0.040 | ug/g | NC (1) | 50 |
| 4576650 | Trichloroethylene | 2016/07/14 | 101 | 60 - 140 | 99 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Trichlorofluoromethane (FREON 11) | 2016/07/14 | 109 | 60 - 140 | 106 | 60 - 130 | <0.050 | ug/g | NC (1) | 50 |
| 4576650 | Vinyl Chloride | 2016/07/14 | 112 | 60 - 140 | 109 | 60 - 130 | <0.020 | ug/g | NC (1) | 50 |
| 4576805 | Acid Extractable Antimony (Sb) | 2016/07/14 | 99 | 75 - 125 | 111 | 80 - 120 | <0.20 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Arsenic (As) | 2016/07/14 | 96 | 75 - 125 | 103 | 80 - 120 | <1.0 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Barium (Ba) | 2016/07/14 | NC | 75 - 125 | 100 | 80 - 120 | <0.50 | ug/g | 9.9 (1) | 30 |
| 4576805 | Acid Extractable Beryllium (Be) | 2016/07/14 | 98 | 75 - 125 | 98 | 80 - 120 | <0.20 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Boron (B) | 2016/07/14 | 92 | 75 - 125 | 100 | 80 - 120 | <5.0 | ug/g | | |
| 4576805 | Acid Extractable Cadmium (Cd) | 2016/07/14 | 98 | 75 - 125 | 109 | 80 - 120 | <0.10 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Chromium (Cr) | 2016/07/14 | 93 | 75 - 125 | 102 | 80 - 120 | <1.0 | ug/g | 9.6 (1) | 30 |
| 4576805 | Acid Extractable Cobalt (Co) | 2016/07/14 | 90 | 75 - 125 | 101 | 80 - 120 | <0.10 | ug/g | 12 (1) | 30 |
| 4576805 | Acid Extractable Copper (Cu) | 2016/07/14 | 90 | 75 - 125 | 101 | 80 - 120 | <0.50 | ug/g | 8.3 (1) | 30 |
| 4576805 | Acid Extractable Lead (Pb) | 2016/07/14 | 94 | 75 - 125 | 101 | 80 - 120 | <1.0 | ug/g | 8.4 (1) | 30 |
| 4576805 | Acid Extractable Mercury (Hg) | 2016/07/14 | 96 | 75 - 125 | 103 | 80 - 120 | <0.050 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Molybdenum (Mo) | 2016/07/14 | 100 | 75 - 125 | 104 | 80 - 120 | <0.50 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Nickel (Ni) | 2016/07/14 | 93 | 75 - 125 | 99 | 80 - 120 | <0.50 | ug/g | 7.5 (1) | 30 |
| 4576805 | Acid Extractable Selenium (Se) | 2016/07/14 | 99 | 75 - 125 | 100 | 80 - 120 | <0.50 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Silver (Ag) | 2016/07/14 | 94 | 75 - 125 | 98 | 80 - 120 | <0.20 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Thallium (Tl) | 2016/07/14 | 93 | 75 - 125 | 99 | 80 - 120 | <0.050 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Uranium (U) | 2016/07/14 | 93 | 75 - 125 | 99 | 80 - 120 | <0.050 | ug/g | 6.1 (1) | 30 |
| 4576805 | Acid Extractable Vanadium (V) | 2016/07/14 | NC | 75 - 125 | 99 | 80 - 120 | <5.0 | ug/g | NC (1) | 30 |
| 4576805 | Acid Extractable Zinc (Zn) | 2016/07/14 | NC | 75 - 125 | 97 | 80 - 120 | <5.0 | ug/g | NC (1) | 30 |
| 4577882 | Hot Water Ext. Boron (B) | 2016/07/14 | 100 | 75 - 125 | 103 | 75 - 125 | <0.050 | ug/g | 9.4 (1) | 40 |
| 4577993 | Acid Extractable Antimony (Sb) | 2016/07/14 | 102 | 75 - 125 | 105 | 80 - 120 | <0.20 | ug/g | NC (1) | 30 |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|----------|----------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 4577993 | Acid Extractable Arsenic (As) | 2016/07/14 | 96 | 75 - 125 | 102 | 80 - 120 | <1.0 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Barium (Ba) | 2016/07/14 | NC | 75 - 125 | 98 | 80 - 120 | <0.50 | ug/g | 1.5 (1) | 30 |
| 4577993 | Acid Extractable Beryllium (Be) | 2016/07/14 | 101 | 75 - 125 | 95 | 80 - 120 | <0.20 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Boron (B) | 2016/07/14 | 99 | 75 - 125 | 100 | 80 - 120 | <5.0 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Cadmium (Cd) | 2016/07/14 | 103 | 75 - 125 | 104 | 80 - 120 | <0.10 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Chromium (Cr) | 2016/07/14 | 98 | 75 - 125 | 100 | 80 - 120 | <1.0 | ug/g | 5.5 (1) | 30 |
| 4577993 | Acid Extractable Cobalt (Co) | 2016/07/14 | 96 | 75 - 125 | 100 | 80 - 120 | <0.10 | ug/g | 0.36 (1) | 30 |
| 4577993 | Acid Extractable Copper (Cu) | 2016/07/14 | 100 | 75 - 125 | 100 | 80 - 120 | <0.50 | ug/g | 4.1 (1) | 30 |
| 4577993 | Acid Extractable Lead (Pb) | 2016/07/14 | 99 | 75 - 125 | 100 | 80 - 120 | <1.0 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Mercury (Hg) | 2016/07/14 | 101 | 75 - 125 | 98 | 80 - 120 | <0.050 | ug/g | | |
| 4577993 | Acid Extractable Molybdenum (Mo) | 2016/07/14 | 103 | 75 - 125 | 104 | 80 - 120 | <0.50 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Nickel (Ni) | 2016/07/14 | 99 | 75 - 125 | 100 | 80 - 120 | <0.50 | ug/g | 6.2 (1) | 30 |
| 4577993 | Acid Extractable Selenium (Se) | 2016/07/14 | 99 | 75 - 125 | 100 | 80 - 120 | <0.50 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Silver (Ag) | 2016/07/14 | 99 | 75 - 125 | 99 | 80 - 120 | <0.20 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Thallium (Tl) | 2016/07/14 | 97 | 75 - 125 | 97 | 80 - 120 | <0.050 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Uranium (U) | 2016/07/14 | 97 | 75 - 125 | 98 | 80 - 120 | <0.050 | ug/g | 1.6 (1) | 30 |
| 4577993 | Acid Extractable Vanadium (V) | 2016/07/14 | NC | 75 - 125 | 98 | 80 - 120 | <5.0 | ug/g | NC (1) | 30 |
| 4577993 | Acid Extractable Zinc (Zn) | 2016/07/14 | NC | 75 - 125 | 104 | 80 - 120 | <5.0 | ug/g | NC (1) | 30 |
| 4578255 | Hot Water Ext. Boron (B) | 2016/07/14 | 103 (3) | 75 - 125 | 98 | 75 - 125 | <0.050 | ug/g | 0.91 (4) | 40 |
| 4578610 | Moisture | 2016/07/14 | | | | | | | 1.3 (1) | 20 |
| 4578803 | F2 (C10-C16 Hydrocarbons) | 2016/07/14 | 108 | 50 - 130 | 100 | 80 - 120 | <10 | ug/g | NC (1) | 30 |
| 4578803 | F3 (C16-C34 Hydrocarbons) | 2016/07/14 | 106 | 50 - 130 | 98 | 80 - 120 | <50 | ug/g | NC (1) | 30 |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|----------|---------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 4578803 | F4 (C34-C50 Hydrocarbons) | 2016/07/14 | 105 | 50 - 130 | 98 | 80 - 120 | <50 | ug/g | NC (1) | 30 |

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (one or both samples < 5x RDL).

(1) Duplicate Parent ID

(2) The matrix spike recovery was below the lower control limit. This may be due in part to the reducing environment of the sample. The matrix spike was reanalyzed to confirm result.

(3) Matrix Spike Parent ID [CRL335-01]

(4) Duplicate Parent ID [CRL335-01]

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).




Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Maxxam Analytics International Corporation o/a Maxxam Analytics
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CHAIN OF CUSTODY RECORD

| | | | | | | | |
|--|-------------------------------|-----------------------|---------------|----------------------|--------------------------------|----------------------|--|
| INVOICE TO: | | REPORT TO: | | PROJECT INFORMATION: | | Laboratory Use Only: | |
| Company Name: #1200 XCG Consulting Limited | Company Name: Kristian Peter | Quotation #: B30503 | Maxxam Job #: | Bottle Order #: | 569052 | | |
| Attention: Accounts Payable | Attention: Kristian Peter | P.O. #: | COC #: | | Project Manager: Marijane Cruz | | |
| Address: 820 Trillium Dr Kitchener ON N2R 1K4 | Address: | Project: 5-2705-14-02 | Site #: | | C#569052-01-01 | | |
| Tel: (519) 741-5774 Fax: (519) 741-5627 | Tel: (519) 741-5774 x291 Fax: | Project Name: | Site #: | | COC #: | | |
| Email: accounting@xcg.com | Email: kristian.peter@xcg.com | Site #: | Site #: | | COC #: | | |
| | | Analysed By: TM | | | | | |

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE MAXXAM DRINKING WATER CHAIN OF CUSTODY

| | | | | | | | | | |
|---|-------------------------------------|--------------------------------------|----------------------------------|---|--|---|--|---|--|
| Regulation 153 (2011) | | Other Regulations | | Special Instructions | | ANALYSIS REQUESTED (PLEASE BE SPECIFIC) | | Turnaround Time (TAT) Required | |
| <input type="checkbox"/> Table 1 | <input type="checkbox"/> Res/Park | <input type="checkbox"/> Medium/Fine | <input type="checkbox"/> CCME | <input type="checkbox"/> Sanitary Sewer Bylaw | | <input type="checkbox"/> Reg 153 Petroleum Hydrocarbons (Soil) | <input type="checkbox"/> Reg 153 Metals Package (Soil) | Regular (Standard) TAT: <input checked="" type="checkbox"/> | |
| <input type="checkbox"/> Table 2 | <input type="checkbox"/> Ind/Comm | <input type="checkbox"/> Coarse | <input type="checkbox"/> Reg 558 | <input type="checkbox"/> Storm Sewer Bylaw | | <input type="checkbox"/> Reg 153 Volatile Organics (Soil) | <input type="checkbox"/> Reg 153 Metals Package (Water) | Please provide advance notice for rush projects | |
| <input type="checkbox"/> Table 3 | <input type="checkbox"/> Agri/Other | <input type="checkbox"/> For RSC | <input type="checkbox"/> MISA | Municipality | | <input type="checkbox"/> Reg 153 Petroleum Hydrocarbons (Water) | <input type="checkbox"/> Reg 153 Volatile Organics (Water) | Regular (Standard) TAT: (will be applied if Rush TAT is not specified): Standard TAT = 5-7 Working days for most tests. | |
| <input checked="" type="checkbox"/> Table 8 | | | <input type="checkbox"/> PWQO | | | <input type="checkbox"/> Reg 153 PAHs (Water) | <input type="checkbox"/> Reg 153 Metals Package (Water) | Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details. | |
| | | <input type="checkbox"/> Other | | | | | | Job Specific Rush TAT (if applies to entire submission) | |
| Include Criteria on Certificate of Analysis (Y/N)? <u>N</u> | | | | | | | | Date Required: _____ Time Required: _____ | |
| | | | | | | | | Rush Confirmation Number: _____ (call lag for #) | |

| Sample Barcode Label | Sample (Location) Identification | Date Sampled | Time Sampled | Matrix | Field Filtered (please circle): Metals / Hg / Cr / V | <input type="checkbox"/> Reg 153 Petroleum Hydrocarbons (Soil) | <input type="checkbox"/> Reg 153 Volatile Organics (Soil) | <input type="checkbox"/> Reg 153 PAHs (Soil) | <input type="checkbox"/> Reg 153 Metals Package (Soil) | <input type="checkbox"/> Reg 153 Petroleum Hydrocarbons (Water) | <input type="checkbox"/> Reg 153 Volatile Organics (Water) | <input type="checkbox"/> Reg 153 PAHs (Water) | <input type="checkbox"/> Reg 153 Metals Package (Water) | # of Bottles | Comments |
|----------------------|----------------------------------|--------------|--------------|--------|---|--|---|--|--|---|--|---|---|--------------|------------------------------------|
| 1 | XCG-MW3-SS4 | July 8, 2016 | 10:50 | Soil | | X | X | X | | | | | | 6 | * Limited Soil Volume in 120ml jar |
| 2 | XCG-MW3-SS5 | | 10:55 | | | | | | X | | | | | 1 | * Limited Soil Volume in 250ml jar |
| 3 | XCG-MW4-SS3 | | 1:30 | | | X | X | X | X | | | | | 7 | |
| 4 | XCG-MW2-SS4 | | 2:30 | | | X | X | X | X | | | | | 7 | |
| 5 | XCG-MW1-SS6 | | 4:00 | | | X | X | X | X | | | | | 7 | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

11-Jul-16 08:57
 Marijane Cruz

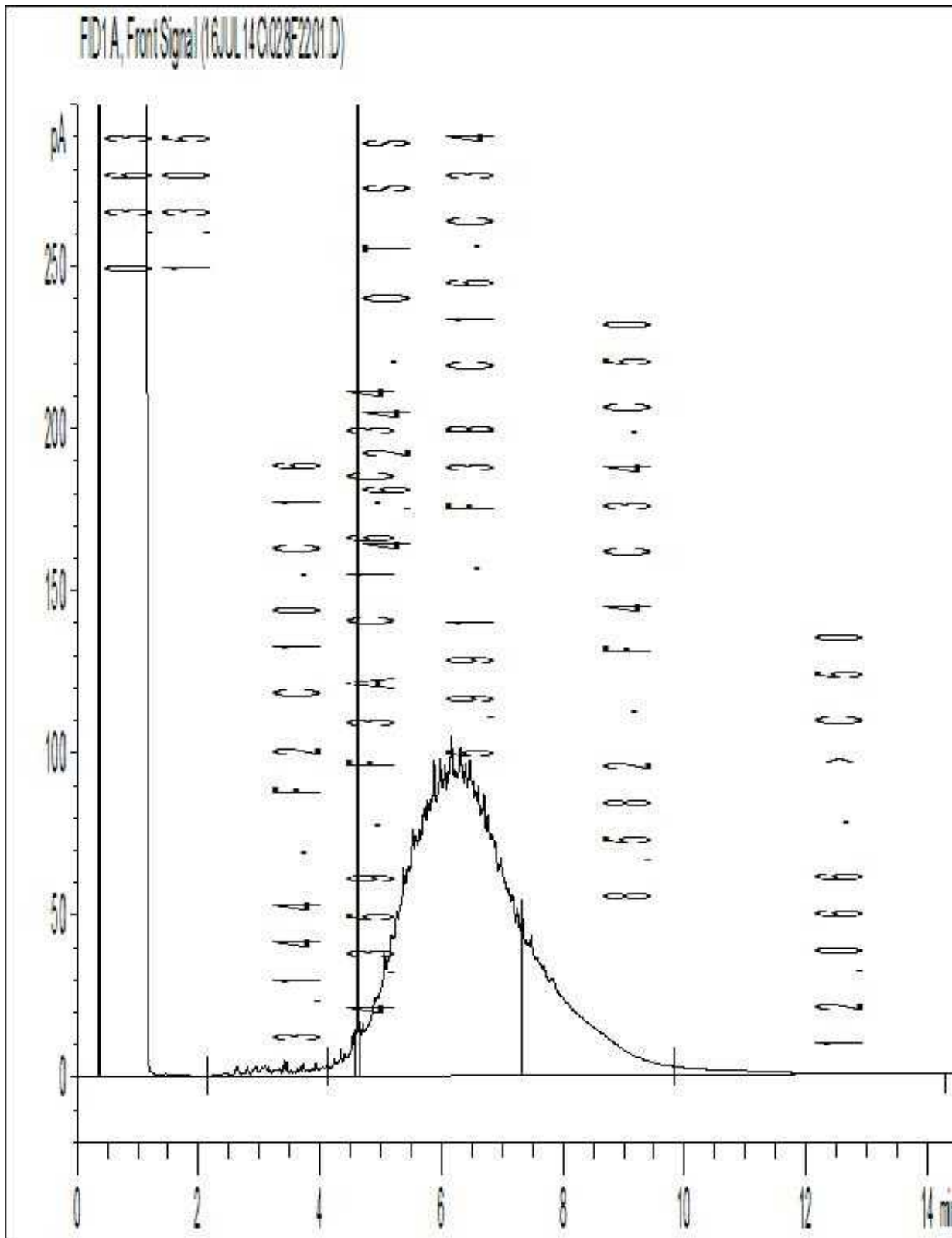
 B6E2939
 MK3 ENV-841

REC'D IN WATERLOO

| | | | | | | | | | | | | | |
|--------------------------------------|--|------------------|--------|--------------------------------|--|------------------|-------|-------------------------------|---------------------|-----------------------------|--------------|-----|----|
| * RELINQUISHED BY: (Signature/Print) | | Date: (YY/MM/DD) | Time | RECEIVED BY: (Signature/Print) | | Date: (YY/MM/DD) | Time | # jars used and not submitted | Laboratory Use Only | | | | |
| Tyler Maho | | 16/07/16 | 7:00pm | Rajmeet Kaur | | 2016/07/11 | 16:06 | | Time Sensitive | Temperature (°C) on Receipt | Custody Seal | Yes | No |
| | | | | | | | | | | 80-1°C | Present | ✓ | |
| | | | | | | | | | | 8/8/5 | Intact | ✓ | |

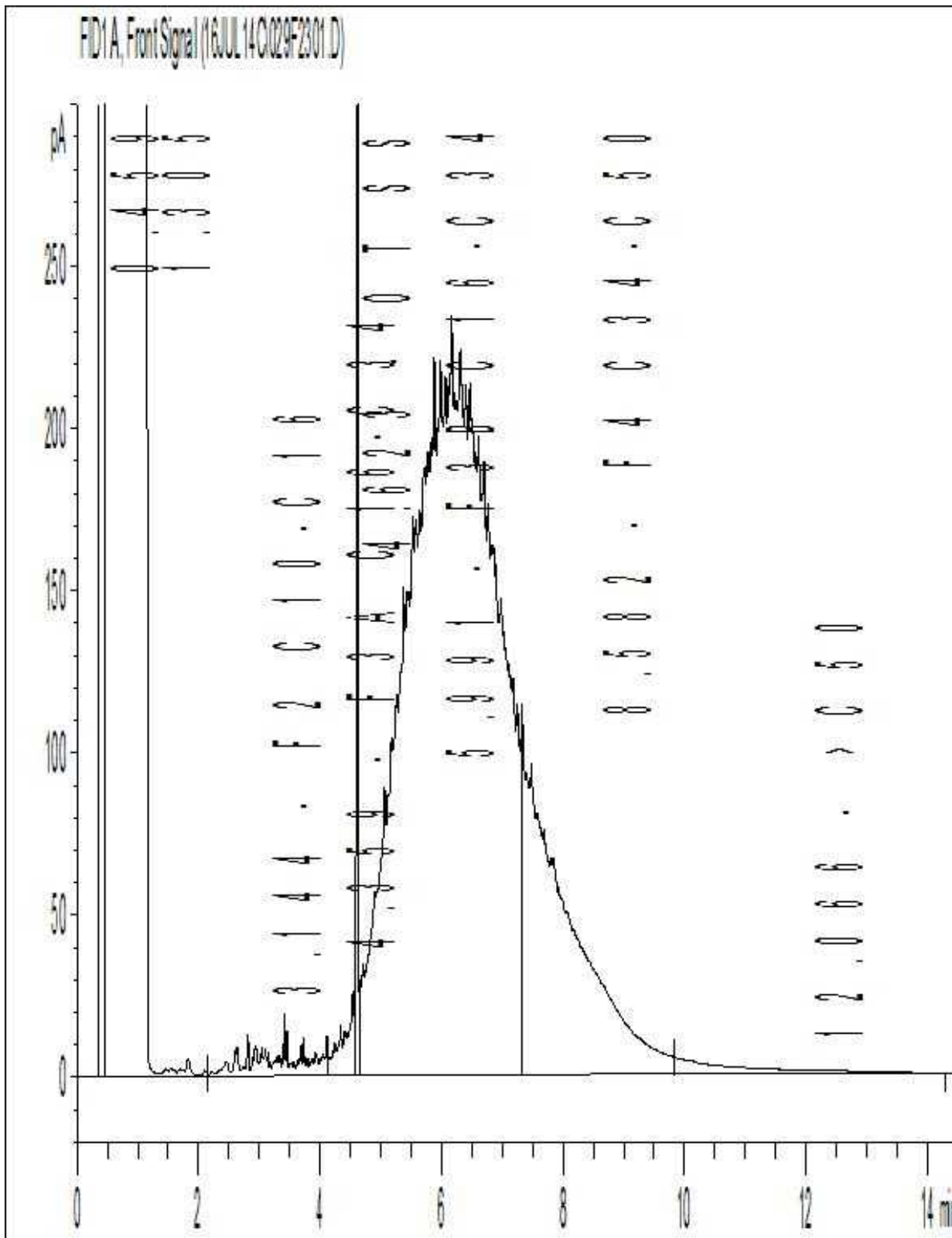
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS. SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM. White: Maxxam Yellow: Client

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



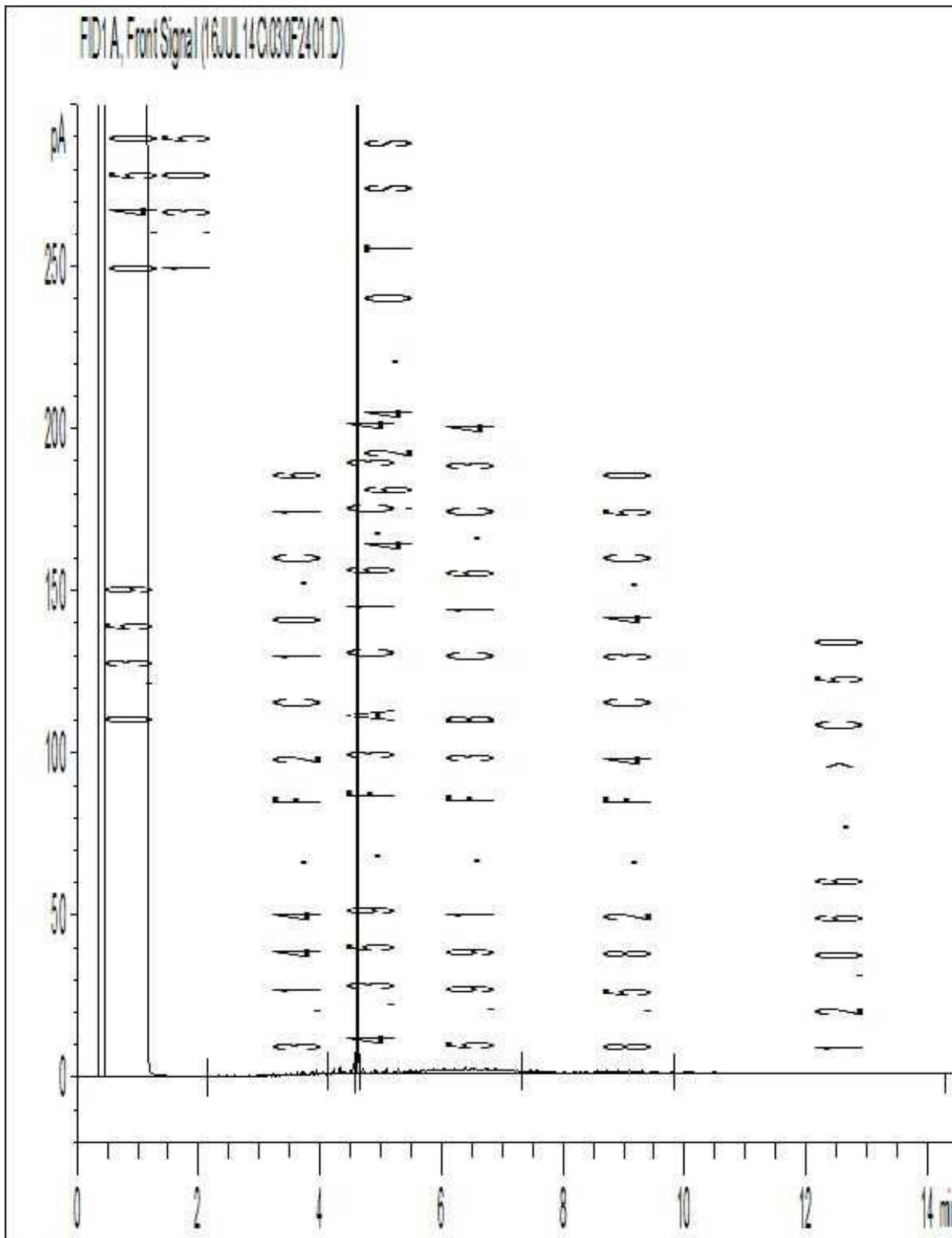
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



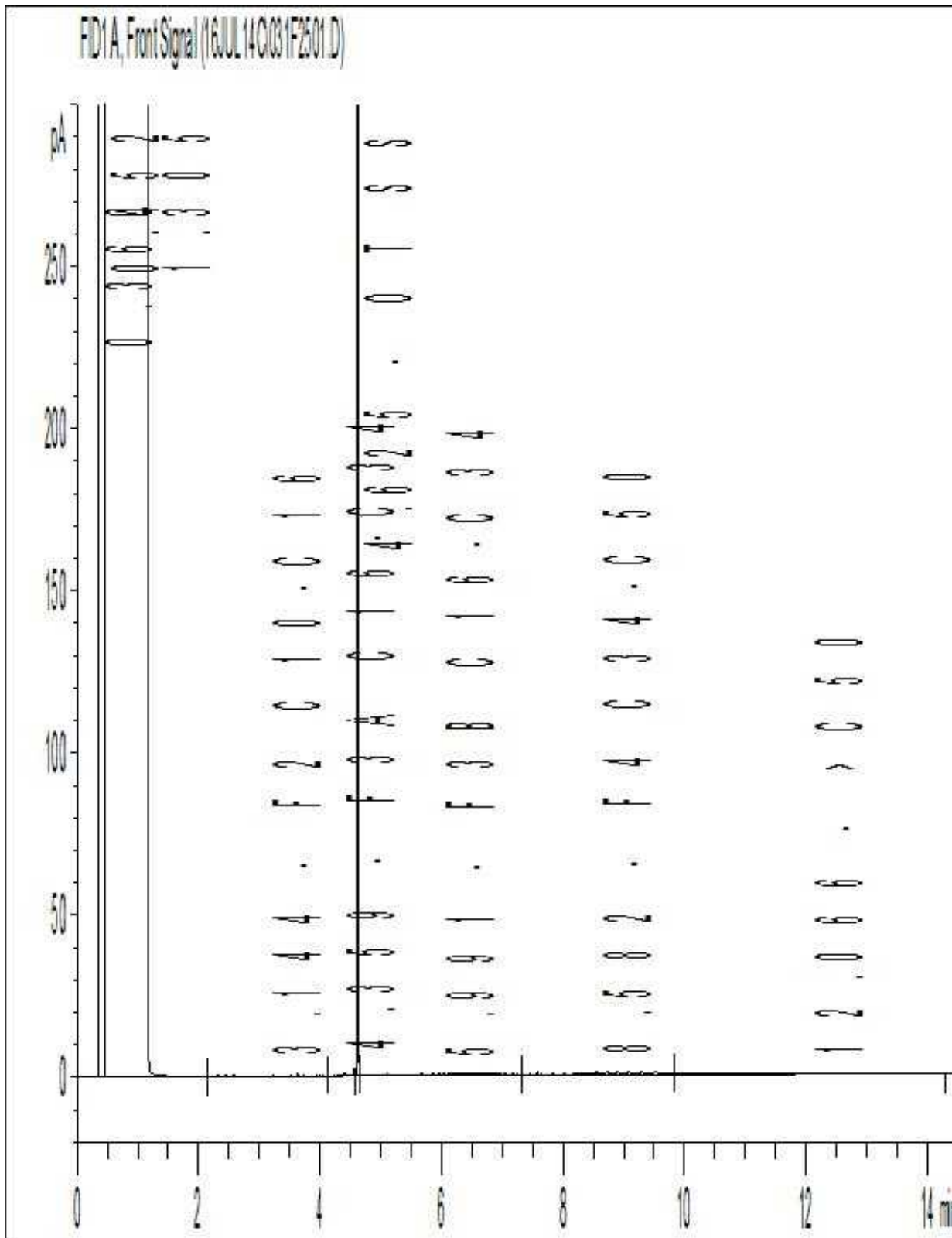
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Attention: Kristian Peter

XCG Consulting Limited
820 Trillium Dr
Kitchener, ON
N2R 1K4

Report Date: 2016/07/19
Report #: R4071773
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6E4125

Received: 2016/07/12, 09:35

Sample Matrix: Water
Samples Received: 7

| Analyses | Date | | Laboratory Method | Reference |
|---|----------|------------|--------------------------|----------------|
| | Quantity | Extracted | | |
| Methylnaphthalene Sum | 7 | N/A | 2016/07/18 CAM SOP-00301 | EPA 8270D m |
| 1,3-Dichloropropene Sum | 7 | N/A | 2016/07/18 | EPA 8260C m |
| Chromium (VI) in Water | 7 | N/A | 2016/07/18 CAM SOP-00436 | EPA 7199 m |
| Petroleum Hydrocarbons F2-F4 in Water (1) | 7 | 2016/07/15 | 2016/07/16 CAM SOP-00316 | CCME PHC-CWS m |
| Mercury | 7 | 2016/07/18 | 2016/07/18 CAM SOP-00453 | EPA 7470A m |
| Dissolved Metals by ICPMS | 7 | N/A | 2016/07/18 CAM SOP-00447 | EPA 6020A m |
| PAH Compounds in Water by GC/MS (SIM) | 7 | 2016/07/15 | 2016/07/16 CAM SOP-00318 | EPA 8270D m |
| Volatile Organic Compounds and F1 PHCs | 7 | N/A | 2016/07/16 CAM SOP-00230 | EPA 8260C m |

Remarks:

Maxxam Analytics has performed all analytical testing herein in accordance with ISO 17025 and the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. All methodologies comply with this document and are validated for use in the laboratory. The methods and techniques employed in this analysis conform to the performance criteria (detection limits, accuracy and precision) as outlined in the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act.

Maxxam Analytics is accredited for all specific parameters as required by Ontario Regulation 153/04. Maxxam Analytics is limited in liability to the actual cost of analysis unless otherwise agreed in writing. There is no other warranty expressed or implied. Samples will be retained at Maxxam Analytics for three weeks from receipt of data or as per contract.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Maxxam conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Your Project #: 5-2705-14-02
Your C.O.C. #: 569052-05-01

Attention:Kristian Peter

XCG Consulting Limited
820 Trillium Dr
Kitchener, ON
N2R 1K4

Report Date: 2016/07/19
Report #: R4071773
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6E4125

Received: 2016/07/12, 09:35

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Marijane Cruz, Senior Project Manager
Email: MCruz@maxxam.ca
Phone# (905)817-5756

=====
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

O.REG 153 METALS PACKAGE (WATER)

| Maxxam ID | | CRQ649 | CRQ650 | CRQ651 | CRQ652 | CRQ653 | CRQ654 | | |
|---------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----|----------|
| Sampling Date | | 2016/07/11 12:00 | 2016/07/11 14:00 | 2016/07/11 13:00 | 2016/07/11 14:20 | 2016/07/11 15:15 | 2016/07/11 15:00 | | |
| COC Number | | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | | |
| | UNITS | MWA | MW2-09A | MW2-09B | XCG-MW1 | XCG-MW4 | XCG-MW3 | RDL | QC Batch |

| Metals | | | | | | | | | |
|---------------------------|------|--------|--------|--------|--------|--------|--------|-------|---------|
| Chromium (VI) | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4582072 |
| Mercury (Hg) | ug/L | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.1 | 4581809 |
| Dissolved Antimony (Sb) | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4581919 |
| Dissolved Arsenic (As) | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | 1.8 | 1.9 | 1.0 | 4581919 |
| Dissolved Barium (Ba) | ug/L | 100 | 120 | 38 | 69 | 170 | 130 | 2.0 | 4581919 |
| Dissolved Beryllium (Be) | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4581919 |
| Dissolved Boron (B) | ug/L | 120 | 110 | 34 | 74 | 89 | 93 | 10 | 4581919 |
| Dissolved Cadmium (Cd) | ug/L | 0.16 | 0.12 | 0.22 | <0.10 | <0.10 | <0.10 | 0.10 | 4581919 |
| Dissolved Chromium (Cr) | ug/L | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 | 4581919 |
| Dissolved Cobalt (Co) | ug/L | 3.4 | <0.50 | <0.50 | <0.50 | 1.7 | <0.50 | 0.50 | 4581919 |
| Dissolved Copper (Cu) | ug/L | 2.5 | 1.9 | 1.9 | 1.9 | <1.0 | <1.0 | 1.0 | 4581919 |
| Dissolved Lead (Pb) | ug/L | <0.50 | <0.50 | 0.96 | <0.50 | 1.4 | <0.50 | 0.50 | 4581919 |
| Dissolved Molybdenum (Mo) | ug/L | 0.67 | 0.99 | 1.6 | 1.4 | 2.8 | 1.9 | 0.50 | 4581919 |
| Dissolved Nickel (Ni) | ug/L | 1.6 | 1.1 | 1.3 | 1.5 | 1.9 | <1.0 | 1.0 | 4581919 |
| Dissolved Selenium (Se) | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 | 4581919 |
| Dissolved Silver (Ag) | ug/L | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | 0.10 | 4581919 |
| Dissolved Sodium (Na) | ug/L | 160000 | 200000 | 160000 | 150000 | 240000 | 230000 | 100 | 4581919 |
| Dissolved Thallium (Tl) | ug/L | <0.050 | <0.050 | 0.081 | <0.050 | <0.050 | <0.050 | 0.050 | 4581919 |
| Dissolved Uranium (U) | ug/L | 0.31 | 1.2 | 1.2 | 1.6 | 0.98 | 0.16 | 0.10 | 4581919 |
| Dissolved Vanadium (V) | ug/L | 0.56 | <0.50 | <0.50 | <0.50 | <0.50 | 0.63 | 0.50 | 4581919 |
| Dissolved Zinc (Zn) | ug/L | 45 | 40 | 88 | 19 | 51 | 22 | 5.0 | 4581919 |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 METALS PACKAGE (WATER)

| | | | | |
|----------------------------------|--------------|---------------------|------------|-----------------|
| Maxxam ID | | CRQ655 | | |
| Sampling Date | | 2016/07/11 12:00 | | |
| COC Number | | 569052-05-01 | | |
| | UNITS | TM100 | RDL | QC Batch |
| Metals | | | | |
| Chromium (VI) | ug/L | <0.50 | 0.50 | 4582072 |
| Mercury (Hg) | ug/L | <0.1 | 0.1 | 4581809 |
| Dissolved Antimony (Sb) | ug/L | <0.50 | 0.50 | 4581919 |
| Dissolved Arsenic (As) | ug/L | <1.0 | 1.0 | 4581919 |
| Dissolved Barium (Ba) | ug/L | 100 | 2.0 | 4581919 |
| Dissolved Beryllium (Be) | ug/L | <0.50 | 0.50 | 4581919 |
| Dissolved Boron (B) | ug/L | 120 | 10 | 4581919 |
| Dissolved Cadmium (Cd) | ug/L | 0.14 | 0.10 | 4581919 |
| Dissolved Chromium (Cr) | ug/L | <5.0 | 5.0 | 4581919 |
| Dissolved Cobalt (Co) | ug/L | 3.3 | 0.50 | 4581919 |
| Dissolved Copper (Cu) | ug/L | 2.4 | 1.0 | 4581919 |
| Dissolved Lead (Pb) | ug/L | <0.50 | 0.50 | 4581919 |
| Dissolved Molybdenum (Mo) | ug/L | 0.66 | 0.50 | 4581919 |
| Dissolved Nickel (Ni) | ug/L | 1.7 | 1.0 | 4581919 |
| Dissolved Selenium (Se) | ug/L | <2.0 | 2.0 | 4581919 |
| Dissolved Silver (Ag) | ug/L | <0.10 | 0.10 | 4581919 |
| Dissolved Sodium (Na) | ug/L | 160000 | 100 | 4581919 |
| Dissolved Thallium (Tl) | ug/L | <0.050 | 0.050 | 4581919 |
| Dissolved Uranium (U) | ug/L | 0.31 | 0.10 | 4581919 |
| Dissolved Vanadium (V) | ug/L | 0.55 | 0.50 | 4581919 |
| Dissolved Zinc (Zn) | ug/L | 46 | 5.0 | 4581919 |
| RDL = Reportable Detection Limit | | | | |
| QC Batch = Quality Control Batch | | | | |

O.REG 153 PAHS (WATER)

| Maxxam ID | | CRQ649 | CRQ650 | CRQ651 | CRQ652 | CRQ653 | CRQ654 | | |
|---------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----|----------|
| Sampling Date | | 2016/07/11 12:00 | 2016/07/11 14:00 | 2016/07/11 13:00 | 2016/07/11 14:20 | 2016/07/11 15:15 | 2016/07/11 15:00 | | |
| COC Number | | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | | |
| | UNITS | MWA | MW2-09A | MW2-09B | XCG-MW1 | XCG-MW4 | XCG-MW3 | RDL | QC Batch |

Calculated Parameters

| | | | | | | | | | |
|---------------------------|------|--------|--------|--------|--------|----|-----|-------|---------|
| Methylnaphthalene, 2-(1-) | ug/L | <0.071 | <0.071 | <0.071 | <0.071 | 11 | 9.8 | 0.071 | 4576140 |
|---------------------------|------|--------|--------|--------|--------|----|-----|-------|---------|

Polyaromatic Hydrocarbons

| | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|-------|---------|
| Acenaphthene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 0.056 | 0.14 | 0.050 | 4580844 |
| Acenaphthylene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 0.060 | 0.16 | 0.050 | 4580844 |
| Anthracene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 0.066 | 0.15 | 0.050 | 4580844 |
| Benzo(a)anthracene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.076 | 0.050 | 4580844 |
| Benzo(a)pyrene | ug/L | <0.010 | <0.010 | <0.010 | <0.010 | 0.015 | 0.030 | 0.010 | 4580844 |
| Benzo(b/j)fluoranthene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4580844 |
| Benzo(g,h,i)perylene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4580844 |
| Benzo(k)fluoranthene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4580844 |
| Chrysene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.055 | 0.050 | 4580844 |
| Dibenz(a,h)anthracene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4580844 |
| Fluoranthene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 0.082 | 0.16 | 0.050 | 4580844 |
| Fluorene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 0.20 | 0.46 | 0.050 | 4580844 |
| Indeno(1,2,3-cd)pyrene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4580844 |
| 1-Methylnaphthalene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 5.2 | 5.9 | 0.050 | 4580844 |
| 2-Methylnaphthalene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 5.9 | 4.0 | 0.050 | 4580844 |
| Naphthalene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 7.1 | 7.9 | 0.050 | 4580844 |
| Phenanthrene | ug/L | <0.030 | <0.030 | <0.030 | <0.030 | 0.32 | 0.45 | 0.030 | 4580844 |
| Pyrene | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 0.13 | 0.27 | 0.050 | 4580844 |

Surrogate Recovery (%)

| | | | | | | | | | |
|--------------------|---|-----|-----|-----|-----|-----|-----|-----|---------|
| D10-Anthracene | % | 96 | 101 | 93 | 101 | 96 | 102 | N/A | 4580844 |
| D14-Terphenyl (FS) | % | 85 | 92 | 82 | 90 | 82 | 85 | N/A | 4580844 |
| D8-Acenaphthylene | % | 105 | 109 | 105 | 109 | 108 | 114 | N/A | 4580844 |

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable

O.REG 153 PAHS (WATER)

| | | | | |
|--|--------------|---------------------|------------|-----------------|
| Maxxam ID | | CRQ655 | | |
| Sampling Date | | 2016/07/11 12:00 | | |
| COC Number | | 569052-05-01 | | |
| | UNITS | TM100 | RDL | QC Batch |
| Calculated Parameters | | | | |
| Methylnaphthalene, 2-(1-) | ug/L | <0.071 | 0.071 | 4576140 |
| Polyaromatic Hydrocarbons | | | | |
| Acenaphthene | ug/L | <0.050 | 0.050 | 4580844 |
| Acenaphthylene | ug/L | <0.050 | 0.050 | 4580844 |
| Anthracene | ug/L | <0.050 | 0.050 | 4580844 |
| Benzo(a)anthracene | ug/L | <0.050 | 0.050 | 4580844 |
| Benzo(a)pyrene | ug/L | <0.010 | 0.010 | 4580844 |
| Benzo(b/j)fluoranthene | ug/L | <0.050 | 0.050 | 4580844 |
| Benzo(g,h,i)perylene | ug/L | <0.050 | 0.050 | 4580844 |
| Benzo(k)fluoranthene | ug/L | <0.050 | 0.050 | 4580844 |
| Chrysene | ug/L | <0.050 | 0.050 | 4580844 |
| Dibenz(a,h)anthracene | ug/L | <0.050 | 0.050 | 4580844 |
| Fluoranthene | ug/L | <0.050 | 0.050 | 4580844 |
| Fluorene | ug/L | <0.050 | 0.050 | 4580844 |
| Indeno(1,2,3-cd)pyrene | ug/L | <0.050 | 0.050 | 4580844 |
| 1-Methylnaphthalene | ug/L | <0.050 | 0.050 | 4580844 |
| 2-Methylnaphthalene | ug/L | <0.050 | 0.050 | 4580844 |
| Naphthalene | ug/L | <0.050 | 0.050 | 4580844 |
| Phenanthrene | ug/L | <0.030 | 0.030 | 4580844 |
| Pyrene | ug/L | <0.050 | 0.050 | 4580844 |
| Surrogate Recovery (%) | | | | |
| D10-Anthracene | % | 100 | N/A | 4580844 |
| D14-Terphenyl (FS) | % | 83 | N/A | 4580844 |
| D8-Acenaphthylene | % | 110 | N/A | 4580844 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | |

O.REG 153 VOCS & F1-F4 (WATER)

| Maxxam ID | | CRQ649 | CRQ650 | CRQ650 | CRQ651 | CRQ652 | | |
|---------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|-----|----------|
| Sampling Date | | 2016/07/11 12:00 | 2016/07/11 14:00 | 2016/07/11 14:00 | 2016/07/11 13:00 | 2016/07/11 14:20 | | |
| COC Number | | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | | |
| | UNITS | MWA | MW2-09A | MW2-09A Lab-Dup | MW2-09B | XCG-MW1 | RDL | QC Batch |

| Calculated Parameters | | | | | | | | |
|-------------------------------------|------|-------|-------|-------|-------|-------|------|---------|
| 1,3-Dichloropropene (cis+trans) | ug/L | <0.50 | <0.50 | N/A | <0.50 | <0.50 | 0.50 | 4576243 |
| Volatile Organics | | | | | | | | |
| Acetone (2-Propanone) | ug/L | <10 | <10 | <10 | <10 | <10 | 10 | 4578001 |
| Benzene | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | 0.35 | 0.20 | 4578001 |
| Bromodichloromethane | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Bromoform | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 | 4578001 |
| Bromomethane | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Carbon Tetrachloride | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Chlorobenzene | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Chloroform | ug/L | <0.20 | 0.29 | 0.30 | 0.29 | <0.20 | 0.20 | 4578001 |
| Dibromochloromethane | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,2-Dichlorobenzene | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,3-Dichlorobenzene | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,4-Dichlorobenzene | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Dichlorodifluoromethane (FREON 12) | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 | 4578001 |
| 1,1-Dichloroethane | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| 1,2-Dichloroethane | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,1-Dichloroethylene | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| cis-1,2-Dichloroethylene | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| trans-1,2-Dichloroethylene | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,2-Dichloropropane | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| cis-1,3-Dichloropropene | ug/L | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | 0.30 | 4578001 |
| trans-1,3-Dichloropropene | ug/L | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | 0.40 | 4578001 |
| Ethylbenzene | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Ethylene Dibromide | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Hexane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 | 4578001 |
| Methylene Chloride(Dichloromethane) | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 | 4578001 |
| Methyl Ethyl Ketone (2-Butanone) | ug/L | <10 | <10 | <10 | <10 | <10 | 10 | 4578001 |
| Methyl Isobutyl Ketone | ug/L | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 | 4578001 |
| Methyl t-butyl ether (MTBE) | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Styrene | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable

O.REG 153 VOCS & F1-F4 (WATER)

| Maxxam ID | | CRQ649 | CRQ650 | CRQ650 | CRQ651 | CRQ652 | | |
|--|-------|---------------------|---------------------|---------------------|---------------------|---------------------|------|----------|
| Sampling Date | | 2016/07/11 12:00 | 2016/07/11 14:00 | 2016/07/11 14:00 | 2016/07/11 13:00 | 2016/07/11 14:20 | | |
| COC Number | | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | 569052-05-01 | | |
| | UNITS | MWA | MW2-09A | MW2-09A Lab-Dup | MW2-09B | XCG-MW1 | RDL | QC Batch |
| Tetrachloroethylene | ug/L | <0.20 | <0.20 | <0.20 | 0.29 | <0.20 | 0.20 | 4578001 |
| Toluene | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | 0.41 | 0.20 | 4578001 |
| 1,1,1-Trichloroethane | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| 1,1,2-Trichloroethane | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Trichloroethylene | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Trichlorofluoromethane (FREON 11) | ug/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Vinyl Chloride | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| p+m-Xylene | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| o-Xylene | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Total Xylenes | ug/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| F1 (C6-C10) | ug/L | <25 | <25 | <25 | <25 | <25 | 25 | 4578001 |
| F1 (C6-C10) - BTEX | ug/L | <25 | <25 | <25 | <25 | <25 | 25 | 4578001 |
| F2-F4 Hydrocarbons | | | | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/L | <100 | <100 | N/A | <100 | <100 | 100 | 4580567 |
| F3 (C16-C34 Hydrocarbons) | ug/L | <200 | <200 | N/A | <200 | <200 | 200 | 4580567 |
| F4 (C34-C50 Hydrocarbons) | ug/L | <200 | <200 | N/A | <200 | <200 | 200 | 4580567 |
| Reached Baseline at C50 | ug/L | Yes | Yes | N/A | Yes | Yes | N/A | 4580567 |
| Surrogate Recovery (%) | | | | | | | | |
| o-Terphenyl | % | 109 | 107 | N/A | 108 | 108 | N/A | 4580567 |
| 4-Bromofluorobenzene | % | 90 | 90 | 91 | 90 | 91 | N/A | 4578001 |
| D4-1,2-Dichloroethane | % | 97 | 107 | 107 | 105 | 104 | N/A | 4578001 |
| D8-Toluene | % | 103 | 100 | 100 | 100 | 102 | N/A | 4578001 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable | | | | | | | | |

O.REG 153 VOCS & F1-F4 (WATER)

| Maxxam ID | | CRQ653 | CRQ654 | CRQ655 | | |
|-------------------------------------|-------|---------------------|---------------------|---------------------|------|----------|
| Sampling Date | | 2016/07/11 15:15 | 2016/07/11 15:00 | 2016/07/11 12:00 | | |
| COC Number | | 569052-05-01 | 569052-05-01 | 569052-05-01 | | |
| | UNITS | XCG-MW4 | XCG-MW3 | TM100 | RDL | QC Batch |
| Calculated Parameters | | | | | | |
| 1,3-Dichloropropene (cis+trans) | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4576243 |
| Volatile Organics | | | | | | |
| Acetone (2-Propanone) | ug/L | <10 | <10 | <10 | 10 | 4578001 |
| Benzene | ug/L | 0.21 | 0.48 | <0.20 | 0.20 | 4578001 |
| Bromodichloromethane | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Bromoform | ug/L | <1.0 | <1.0 | <1.0 | 1.0 | 4578001 |
| Bromomethane | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Carbon Tetrachloride | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Chlorobenzene | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Chloroform | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Dibromochloromethane | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,2-Dichlorobenzene | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,3-Dichlorobenzene | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,4-Dichlorobenzene | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Dichlorodifluoromethane (FREON 12) | ug/L | <1.0 | <1.0 | <1.0 | 1.0 | 4578001 |
| 1,1-Dichloroethane | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| 1,2-Dichloroethane | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,1-Dichloroethylene | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| cis-1,2-Dichloroethylene | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| trans-1,2-Dichloroethylene | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,2-Dichloropropane | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| cis-1,3-Dichloropropene | ug/L | <0.30 | <0.30 | <0.30 | 0.30 | 4578001 |
| trans-1,3-Dichloropropene | ug/L | <0.40 | <0.40 | <0.40 | 0.40 | 4578001 |
| Ethylbenzene | ug/L | 0.96 | <0.20 | <0.20 | 0.20 | 4578001 |
| Ethylene Dibromide | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Hexane | ug/L | <1.0 | <1.0 | <1.0 | 1.0 | 4578001 |
| Methylene Chloride(Dichloromethane) | ug/L | <2.0 | <2.0 | <2.0 | 2.0 | 4578001 |
| Methyl Ethyl Ketone (2-Butanone) | ug/L | <10 | <10 | <10 | 10 | 4578001 |
| Methyl Isobutyl Ketone | ug/L | <5.0 | <5.0 | <5.0 | 5.0 | 4578001 |
| Methyl t-butyl ether (MTBE) | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Styrene | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Tetrachloroethylene | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Toluene | ug/L | 0.38 | 0.35 | <0.20 | 0.20 | 4578001 |
| RDL = Reportable Detection Limit | | | | | | |
| QC Batch = Quality Control Batch | | | | | | |

O.REG 153 VOCS & F1-F4 (WATER)

| Maxxam ID | | CRQ653 | CRQ654 | CRQ655 | | |
|--|-------|---------------------|---------------------|---------------------|------|----------|
| Sampling Date | | 2016/07/11 15:15 | 2016/07/11 15:00 | 2016/07/11 12:00 | | |
| COC Number | | 569052-05-01 | 569052-05-01 | 569052-05-01 | | |
| | UNITS | XCG-MW4 | XCG-MW3 | TM100 | RDL | QC Batch |
| 1,1,1-Trichloroethane | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| 1,1,2-Trichloroethane | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Trichloroethylene | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| Trichlorofluoromethane (FREON 11) | ug/L | <0.50 | <0.50 | <0.50 | 0.50 | 4578001 |
| Vinyl Chloride | ug/L | <0.20 | <0.20 | <0.20 | 0.20 | 4578001 |
| p+m-Xylene | ug/L | 10 | 2.0 | <0.20 | 0.20 | 4578001 |
| o-Xylene | ug/L | 2.0 | 0.59 | <0.20 | 0.20 | 4578001 |
| Total Xylenes | ug/L | 12 | 2.6 | <0.20 | 0.20 | 4578001 |
| F1 (C6-C10) | ug/L | 77 | 37 | <25 | 25 | 4578001 |
| F1 (C6-C10) - BTEX | ug/L | 63 | 33 | <25 | 25 | 4578001 |
| F2-F4 Hydrocarbons | | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/L | 150 | 250 | <100 | 100 | 4580567 |
| F3 (C16-C34 Hydrocarbons) | ug/L | 1200 | 2300 | <200 | 200 | 4580567 |
| F4 (C34-C50 Hydrocarbons) | ug/L | 220 | 490 | <200 | 200 | 4580567 |
| Reached Baseline at C50 | ug/L | Yes | Yes | Yes | N/A | 4580567 |
| Surrogate Recovery (%) | | | | | | |
| o-Terphenyl | % | 110 | 110 | 108 | N/A | 4580567 |
| 4-Bromofluorobenzene | % | 92 | 91 | 89 | N/A | 4578001 |
| D4-1,2-Dichloroethane | % | 105 | 107 | 105 | N/A | 4578001 |
| D8-Toluene | % | 101 | 101 | 101 | N/A | 4578001 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | | | |

TEST SUMMARY

Maxxam ID: CRQ649
Sample ID: MWA
Matrix: Water

Collected: 2016/07/11
Shipped:
Received: 2016/07/12

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4576140 | N/A | 2016/07/18 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4576243 | N/A | 2016/07/18 | Automated Statchk |
| Chromium (VI) in Water | IC | 4582072 | N/A | 2016/07/18 | Manoj Gera |
| Petroleum Hydrocarbons F2-F4 in Water | GC/FID | 4580567 | 2016/07/15 | 2016/07/16 | Zhiyue (Frank) Zhu |
| Mercury | CV/AA | 4581809 | 2016/07/18 | 2016/07/18 | Magdalena Carlos |
| Dissolved Metals by ICPMS | ICP/MS | 4581919 | N/A | 2016/07/18 | John Bowman |
| PAH Compounds in Water by GC/MS (SIM) | GC/MS | 4580844 | 2016/07/15 | 2016/07/16 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4578001 | N/A | 2016/07/16 | John Wu |

Maxxam ID: CRQ650
Sample ID: MW2-09A
Matrix: Water

Collected: 2016/07/11
Shipped:
Received: 2016/07/12

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4576140 | N/A | 2016/07/18 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4576243 | N/A | 2016/07/18 | Automated Statchk |
| Chromium (VI) in Water | IC | 4582072 | N/A | 2016/07/18 | Manoj Gera |
| Petroleum Hydrocarbons F2-F4 in Water | GC/FID | 4580567 | 2016/07/15 | 2016/07/16 | Zhiyue (Frank) Zhu |
| Mercury | CV/AA | 4581809 | 2016/07/18 | 2016/07/18 | Magdalena Carlos |
| Dissolved Metals by ICPMS | ICP/MS | 4581919 | N/A | 2016/07/18 | John Bowman |
| PAH Compounds in Water by GC/MS (SIM) | GC/MS | 4580844 | 2016/07/15 | 2016/07/16 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4578001 | N/A | 2016/07/16 | John Wu |

Maxxam ID: CRQ650 Dup
Sample ID: MW2-09A
Matrix: Water

Collected: 2016/07/11
Shipped:
Received: 2016/07/12

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|-----------|---------------|---------|
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4578001 | N/A | 2016/07/16 | John Wu |

Maxxam ID: CRQ651
Sample ID: MW2-09B
Matrix: Water

Collected: 2016/07/11
Shipped:
Received: 2016/07/12

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4576140 | N/A | 2016/07/18 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4576243 | N/A | 2016/07/18 | Automated Statchk |
| Chromium (VI) in Water | IC | 4582072 | N/A | 2016/07/18 | Manoj Gera |
| Petroleum Hydrocarbons F2-F4 in Water | GC/FID | 4580567 | 2016/07/15 | 2016/07/16 | Zhiyue (Frank) Zhu |
| Mercury | CV/AA | 4581809 | 2016/07/18 | 2016/07/18 | Magdalena Carlos |
| Dissolved Metals by ICPMS | ICP/MS | 4581919 | N/A | 2016/07/18 | John Bowman |
| PAH Compounds in Water by GC/MS (SIM) | GC/MS | 4580844 | 2016/07/15 | 2016/07/16 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4578001 | N/A | 2016/07/16 | John Wu |

TEST SUMMARY

Maxxam ID: CRQ652
Sample ID: XCG-MW1
Matrix: Water

Collected: 2016/07/11
Shipped:
Received: 2016/07/12

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4576140 | N/A | 2016/07/18 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4576243 | N/A | 2016/07/18 | Automated Statchk |
| Chromium (VI) in Water | IC | 4582072 | N/A | 2016/07/18 | Manoj Gera |
| Petroleum Hydrocarbons F2-F4 in Water | GC/FID | 4580567 | 2016/07/15 | 2016/07/16 | Zhiyue (Frank) Zhu |
| Mercury | CV/AA | 4581809 | 2016/07/18 | 2016/07/18 | Magdalena Carlos |
| Dissolved Metals by ICPMS | ICP/MS | 4581919 | N/A | 2016/07/18 | John Bowman |
| PAH Compounds in Water by GC/MS (SIM) | GC/MS | 4580844 | 2016/07/15 | 2016/07/16 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4578001 | N/A | 2016/07/16 | John Wu |

Maxxam ID: CRQ653
Sample ID: XCG-MW4
Matrix: Water

Collected: 2016/07/11
Shipped:
Received: 2016/07/12

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4576140 | N/A | 2016/07/18 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4576243 | N/A | 2016/07/18 | Automated Statchk |
| Chromium (VI) in Water | IC | 4582072 | N/A | 2016/07/18 | Manoj Gera |
| Petroleum Hydrocarbons F2-F4 in Water | GC/FID | 4580567 | 2016/07/15 | 2016/07/16 | Zhiyue (Frank) Zhu |
| Mercury | CV/AA | 4581809 | 2016/07/18 | 2016/07/18 | Magdalena Carlos |
| Dissolved Metals by ICPMS | ICP/MS | 4581919 | N/A | 2016/07/18 | John Bowman |
| PAH Compounds in Water by GC/MS (SIM) | GC/MS | 4580844 | 2016/07/15 | 2016/07/16 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4578001 | N/A | 2016/07/16 | John Wu |

Maxxam ID: CRQ654
Sample ID: XCG-MW3
Matrix: Water

Collected: 2016/07/11
Shipped:
Received: 2016/07/12

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4576140 | N/A | 2016/07/18 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4576243 | N/A | 2016/07/18 | Automated Statchk |
| Chromium (VI) in Water | IC | 4582072 | N/A | 2016/07/18 | Manoj Gera |
| Petroleum Hydrocarbons F2-F4 in Water | GC/FID | 4580567 | 2016/07/15 | 2016/07/16 | Zhiyue (Frank) Zhu |
| Mercury | CV/AA | 4581809 | 2016/07/18 | 2016/07/18 | Magdalena Carlos |
| Dissolved Metals by ICPMS | ICP/MS | 4581919 | N/A | 2016/07/18 | John Bowman |
| PAH Compounds in Water by GC/MS (SIM) | GC/MS | 4580844 | 2016/07/15 | 2016/07/16 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4578001 | N/A | 2016/07/16 | John Wu |

Maxxam ID: CRQ655
Sample ID: TM100
Matrix: Water

Collected: 2016/07/11
Shipped:
Received: 2016/07/12

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---------------------------------------|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4576140 | N/A | 2016/07/18 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4576243 | N/A | 2016/07/18 | Automated Statchk |
| Chromium (VI) in Water | IC | 4582072 | N/A | 2016/07/18 | Manoj Gera |
| Petroleum Hydrocarbons F2-F4 in Water | GC/FID | 4580567 | 2016/07/15 | 2016/07/16 | Zhiyue (Frank) Zhu |

TEST SUMMARY

Maxxam ID: CRQ655
Sample ID: TM100
Matrix: Water

Collected: 2016/07/11
Shipped:
Received: 2016/07/12

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|------------------|
| Mercury | CV/AA | 4581809 | 2016/07/18 | 2016/07/18 | Magdalena Carlos |
| Dissolved Metals by ICPMS | ICP/MS | 4581919 | N/A | 2016/07/18 | John Bowman |
| PAH Compounds in Water by GC/MS (SIM) | GC/MS | 4580844 | 2016/07/15 | 2016/07/16 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4578001 | N/A | 2016/07/16 | John Wu |

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

| | |
|-----------|-------|
| Package 1 | 2.0°C |
| Package 2 | 4.3°C |

Cooler custody seal was present and intact.

Results relate only to the items tested.

QUALITY ASSURANCE REPORT

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|----------|------------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 4578001 | 4-Bromofluorobenzene | 2016/07/15 | 95 (1) | 70 - 130 | 94 | 70 - 130 | 90 | % | | |
| 4578001 | D4-1,2-Dichloroethane | 2016/07/15 | 105 (1) | 70 - 130 | 106 | 70 - 130 | 104 | % | | |
| 4578001 | D8-Toluene | 2016/07/15 | 105 (1) | 70 - 130 | 107 | 70 - 130 | 101 | % | | |
| 4580567 | o-Terphenyl | 2016/07/15 | 116 | 60 - 130 | 111 | 60 - 130 | 111 | % | | |
| 4580844 | D10-Anthracene | 2016/07/15 | 99 | 50 - 130 | 97 | 50 - 130 | 97 | % | | |
| 4580844 | D14-Terphenyl (FS) | 2016/07/15 | 85 | 50 - 130 | 92 | 50 - 130 | 92 | % | | |
| 4580844 | D8-Acenaphthylene | 2016/07/15 | 109 | 50 - 130 | 102 | 50 - 130 | 103 | % | | |
| 4578001 | 1,1,1,2-Tetrachloroethane | 2016/07/16 | 98 (1) | 70 - 130 | 98 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | 1,1,1-Trichloroethane | 2016/07/16 | 93 (1) | 70 - 130 | 95 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | 1,1,2,2-Tetrachloroethane | 2016/07/16 | 103 (1) | 70 - 130 | 103 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | 1,1,2-Trichloroethane | 2016/07/16 | 102 (1) | 70 - 130 | 102 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | 1,1-Dichloroethane | 2016/07/16 | 97 (1) | 70 - 130 | 98 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | 1,1-Dichloroethylene | 2016/07/16 | 98 (1) | 70 - 130 | 99 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | 1,2-Dichlorobenzene | 2016/07/16 | 96 (1) | 70 - 130 | 96 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | 1,2-Dichloroethane | 2016/07/16 | 94 (1) | 70 - 130 | 95 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | 1,2-Dichloropropane | 2016/07/16 | 92 (1) | 70 - 130 | 93 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | 1,3-Dichlorobenzene | 2016/07/16 | 92 (1) | 70 - 130 | 92 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | 1,4-Dichlorobenzene | 2016/07/16 | 90 (1) | 70 - 130 | 90 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | Acetone (2-Propanone) | 2016/07/16 | 98 (1) | 60 - 140 | 99 | 60 - 140 | <10 | ug/L | NC (2) | 30 |
| 4578001 | Benzene | 2016/07/16 | 93 (1) | 70 - 130 | 94 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | Bromodichloromethane | 2016/07/16 | 94 (1) | 70 - 130 | 95 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | Bromoform | 2016/07/16 | 92 (1) | 70 - 130 | 92 | 70 - 130 | <1.0 | ug/L | NC (2) | 30 |
| 4578001 | Bromomethane | 2016/07/16 | 95 (1) | 60 - 140 | 93 | 60 - 140 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | Carbon Tetrachloride | 2016/07/16 | 95 (1) | 70 - 130 | 96 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | Chlorobenzene | 2016/07/16 | 93 (1) | 70 - 130 | 94 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | Chloroform | 2016/07/16 | 97 (1) | 70 - 130 | 98 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | cis-1,2-Dichloroethylene | 2016/07/16 | 96 (1) | 70 - 130 | 97 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | cis-1,3-Dichloropropene | 2016/07/16 | 94 (1) | 70 - 130 | 91 | 70 - 130 | <0.30 | ug/L | NC (2) | 30 |
| 4578001 | Dibromochloromethane | 2016/07/16 | 97 (1) | 70 - 130 | 97 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | Dichlorodifluoromethane (FREON 12) | 2016/07/16 | 103 (1) | 60 - 140 | 106 | 60 - 140 | <1.0 | ug/L | NC (2) | 30 |
| 4578001 | Ethylbenzene | 2016/07/16 | 87 (1) | 70 - 130 | 88 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|----------|-------------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 4578001 | Ethylene Dibromide | 2016/07/16 | 94 (1) | 70 - 130 | 95 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | F1 (C6-C10) - BTEX | 2016/07/16 | | | | | <25 | ug/L | NC (2) | 30 |
| 4578001 | F1 (C6-C10) | 2016/07/16 | 101 (1) | 60 - 140 | 96 | 60 - 140 | <25 | ug/L | NC (2) | 30 |
| 4578001 | Hexane | 2016/07/16 | 94 (1) | 70 - 130 | 96 | 70 - 130 | <1.0 | ug/L | NC (2) | 30 |
| 4578001 | Methyl Ethyl Ketone (2-Butanone) | 2016/07/16 | 86 (1) | 60 - 140 | 87 | 60 - 140 | <10 | ug/L | NC (2) | 30 |
| 4578001 | Methyl Isobutyl Ketone | 2016/07/16 | 85 (1) | 70 - 130 | 85 | 70 - 130 | <5.0 | ug/L | NC (2) | 30 |
| 4578001 | Methyl t-butyl ether (MTBE) | 2016/07/16 | 85 (1) | 70 - 130 | 86 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | Methylene Chloride(Dichloromethane) | 2016/07/16 | 101 (1) | 70 - 130 | 103 | 70 - 130 | <2.0 | ug/L | NC (2) | 30 |
| 4578001 | o-Xylene | 2016/07/16 | 87 (1) | 70 - 130 | 88 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | p+m-Xylene | 2016/07/16 | 79 (1) | 70 - 130 | 80 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | Styrene | 2016/07/16 | 81 (1) | 70 - 130 | 83 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | Tetrachloroethylene | 2016/07/16 | 97 (1) | 70 - 130 | 98 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | Toluene | 2016/07/16 | 90 (1) | 70 - 130 | 91 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | Total Xylenes | 2016/07/16 | | | | | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | trans-1,2-Dichloroethylene | 2016/07/16 | 91 (1) | 70 - 130 | 92 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | trans-1,3-Dichloropropene | 2016/07/16 | 102 (1) | 70 - 130 | 97 | 70 - 130 | <0.40 | ug/L | NC (2) | 30 |
| 4578001 | Trichloroethylene | 2016/07/16 | 91 (1) | 70 - 130 | 92 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4578001 | Trichlorofluoromethane (FREON 11) | 2016/07/16 | 103 (1) | 70 - 130 | 104 | 70 - 130 | <0.50 | ug/L | NC (2) | 30 |
| 4578001 | Vinyl Chloride | 2016/07/16 | 101 (1) | 70 - 130 | 102 | 70 - 130 | <0.20 | ug/L | NC (2) | 30 |
| 4580567 | F2 (C10-C16 Hydrocarbons) | 2016/07/16 | 116 | 50 - 130 | 100 | 60 - 130 | <100 | ug/L | NC (3) | 30 |
| 4580567 | F3 (C16-C34 Hydrocarbons) | 2016/07/16 | 109 | 50 - 130 | 104 | 60 - 130 | <200 | ug/L | NC (3) | 30 |
| 4580567 | F4 (C34-C50 Hydrocarbons) | 2016/07/16 | 109 | 50 - 130 | 102 | 60 - 130 | <200 | ug/L | NC (3) | 30 |
| 4580844 | 1-Methylnaphthalene | 2016/07/15 | 102 | 50 - 130 | 100 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | 2-Methylnaphthalene | 2016/07/15 | 101 | 50 - 130 | 99 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Acenaphthene | 2016/07/15 | 103 | 50 - 130 | 103 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Acenaphthylene | 2016/07/15 | 107 | 50 - 130 | 103 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Anthracene | 2016/07/15 | 85 | 50 - 130 | 90 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Benzo(a)anthracene | 2016/07/15 | 72 | 50 - 130 | 96 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Benzo(a)pyrene | 2016/07/15 | 66 | 50 - 130 | 94 | 50 - 130 | <0.010 | ug/L | NC (3) | 30 |
| 4580844 | Benzo(b,j)fluoranthene | 2016/07/15 | 72 | 50 - 130 | 107 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Benzo(g,h,i)perylene | 2016/07/15 | 58 | 50 - 130 | 81 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|----------|---------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 4580844 | Benzo(k)fluoranthene | 2016/07/15 | 73 | 50 - 130 | 104 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Chrysene | 2016/07/15 | 71 | 50 - 130 | 98 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Dibenz(a,h)anthracene | 2016/07/15 | 62 | 50 - 130 | 86 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Fluoranthene | 2016/07/15 | 99 | 50 - 130 | 110 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Fluorene | 2016/07/15 | 104 | 50 - 130 | 105 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Indeno(1,2,3-cd)pyrene | 2016/07/15 | 64 | 50 - 130 | 90 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Naphthalene | 2016/07/15 | 98 | 50 - 130 | 96 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4580844 | Phenanthrene | 2016/07/15 | 102 | 50 - 130 | 103 | 50 - 130 | <0.030 | ug/L | NC (3) | 30 |
| 4580844 | Pyrene | 2016/07/15 | 91 | 50 - 130 | 105 | 50 - 130 | <0.050 | ug/L | NC (3) | 30 |
| 4581809 | Mercury (Hg) | 2016/07/18 | 107 | 75 - 125 | 100 | 80 - 120 | <0.1 | ug/L | NC (3) | 20 |
| 4581919 | Dissolved Antimony (Sb) | 2016/07/18 | 110 | 80 - 120 | 103 | 80 - 120 | <0.50 | ug/L | | |
| 4581919 | Dissolved Arsenic (As) | 2016/07/18 | 102 | 80 - 120 | 100 | 80 - 120 | <1.0 | ug/L | | |
| 4581919 | Dissolved Barium (Ba) | 2016/07/18 | 107 | 80 - 120 | 100 | 80 - 120 | <2.0 | ug/L | | |
| 4581919 | Dissolved Beryllium (Be) | 2016/07/18 | 108 | 80 - 120 | 104 | 80 - 120 | <0.50 | ug/L | | |
| 4581919 | Dissolved Boron (B) | 2016/07/18 | 107 | 80 - 120 | 100 | 80 - 120 | <10 | ug/L | | |
| 4581919 | Dissolved Cadmium (Cd) | 2016/07/18 | 104 | 80 - 120 | 99 | 80 - 120 | <0.10 | ug/L | | |
| 4581919 | Dissolved Chromium (Cr) | 2016/07/18 | 102 | 80 - 120 | 100 | 80 - 120 | <5.0 | ug/L | | |
| 4581919 | Dissolved Cobalt (Co) | 2016/07/18 | 99 | 80 - 120 | 96 | 80 - 120 | <0.50 | ug/L | | |
| 4581919 | Dissolved Copper (Cu) | 2016/07/18 | 106 | 80 - 120 | 101 | 80 - 120 | <1.0 | ug/L | | |
| 4581919 | Dissolved Lead (Pb) | 2016/07/18 | 97 | 80 - 120 | 96 | 80 - 120 | <0.50 | ug/L | NC (3) | 20 |
| 4581919 | Dissolved Molybdenum (Mo) | 2016/07/18 | 110 | 80 - 120 | 100 | 80 - 120 | <0.50 | ug/L | | |
| 4581919 | Dissolved Nickel (Ni) | 2016/07/18 | 96 | 80 - 120 | 94 | 80 - 120 | <1.0 | ug/L | | |
| 4581919 | Dissolved Selenium (Se) | 2016/07/18 | 101 | 80 - 120 | 97 | 80 - 120 | <2.0 | ug/L | | |
| 4581919 | Dissolved Silver (Ag) | 2016/07/18 | 97 | 80 - 120 | 98 | 80 - 120 | <0.10 | ug/L | | |
| 4581919 | Dissolved Sodium (Na) | 2016/07/18 | NC | 80 - 120 | 100 | 80 - 120 | <100 | ug/L | | |
| 4581919 | Dissolved Thallium (Tl) | 2016/07/18 | 99 | 80 - 120 | 97 | 80 - 120 | <0.050 | ug/L | | |
| 4581919 | Dissolved Uranium (U) | 2016/07/18 | 98 | 80 - 120 | 95 | 80 - 120 | <0.10 | ug/L | | |
| 4581919 | Dissolved Vanadium (V) | 2016/07/18 | 97 | 80 - 120 | 94 | 80 - 120 | <0.50 | ug/L | | |
| 4581919 | Dissolved Zinc (Zn) | 2016/07/18 | 98 | 80 - 120 | 98 | 80 - 120 | <5.0 | ug/L | | |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|----------|---------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 4582072 | Chromium (VI) | 2016/07/18 | 88 | 80 - 120 | 95 | 80 - 120 | <0.50 | ug/L | NC (3) | 20 |

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (one or both samples < 5x RDL).

(1) Matrix Spike Parent ID [CRQ649-03]

(2) Duplicate Parent ID [CRQ650-03]

(3) Duplicate Parent ID

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Cristina Carriere

Cristina Carriere, Scientific Services

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Maxxam Analytics International Corporation o/a Maxxam Analytics
 6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

12-Jul-16 09:35

Marijane Cruz



B6E4125

Page 1 of 1

INVOICE TO: #
 Company Name: #1200 XCG Consulting Limited
 Attention: Accounts Payable
 Address: 820 Trillium Dr
 Kitchener ON N2R 1K4
 Tel: (519) 741-5774 Fax: (519) 741-5627
 Email: accounting@xcg.com

REPORT TO:
 Company Name: Kristian Peter
 Attention: Kristian Peter
 Address: Tyler, Mahmood.com
 Tel: (519) 741-5774 x291 Fax:
 Email: kristian.peter@xcg.com

PROJECT INFORMATION:
 Quotation #: B30503
 P.O. #: 5-2705-14-02
 Project Name: JFU ENV-1186
 Site #: TM
 Sampled By: TM

Bottle Order #: B6E4125
 Project Manager: Marijane Cruz
 COC #: C#563052-05-01

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE MAXXAM DRINKING WATER CHAIN OF CUSTODY

Regulation 153 (2011)
 Table 1 Res/Park Medium/Fine
 Table 2 Ind/Comm Coarse
 Table 3 Agri/Other For RSC
 Table 3

Other Regulations
 CCME Sanitary Sewer Bylaw
 Reg 558 Storm Sewer Bylaw
 MISA Municipality
 PWQO
 Other

Special Instructions

Include Criteria on Certificate of Analysis (Y/N)? N

| Sample Barcode Label | Sample (Location) Identification | Date Sampled | Time Sampled | Matrix |
|----------------------|----------------------------------|--------------|--------------|--------|
| 1 | MWA | July 11/16 | 12:00 | G.W |
| 2 | MW2-09A | | 2:00 | |
| 3 | MW2-09B | | 1:00 | |
| 4 | XCG-MW1 | | 2:20 | |
| 5 | XCG-MW3 | | 3:15 | |
| 6 | XCG-MW4 | | 3:00 | |
| 7 | XXXX TM100 | | 12:00 | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

| Field Filtered (please circle): Metals / Hg / Cr / V | Reg 153 Petroleum Hydrocarbons (Soil) | Reg 153 Volatile Organics (Soil) | Reg 153 PAHs (Soil) | Reg 153 Metals Package (Soil) | Reg 153 Petroleum Hydrocarbons (Water) | Reg 153 Volatile Organics (Water) | Reg 153 PAHs (Water) | Reg 153 Metals Package (Water) |
|---|---------------------------------------|----------------------------------|---------------------|-------------------------------|--|-----------------------------------|----------------------|--------------------------------|
| | | | | | X | X | X | X |
| | | | | | X | X | X | X |
| | | | | | X | X | X | X |
| | | | | | X | X | X | X |
| | | | | | X | X | X | X |
| | | | | | X | X | X | X |
| | | | | | X | X | X | X |

Turnaround Time (TAT) Required:
 Please provide advance notice for rush projects

Regular (Standard) TAT:
 (will be applied if Rush TAT is not specified):
 Standard TAT = 5-7 Working days for most tests.
 Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)
 Date Required: _____ Time Required: _____
 Rush Confirmation Number: _____ (call lab for #)

CAUTION
 Reason: may have high PIC concentrations

*May have high PIC concentrations

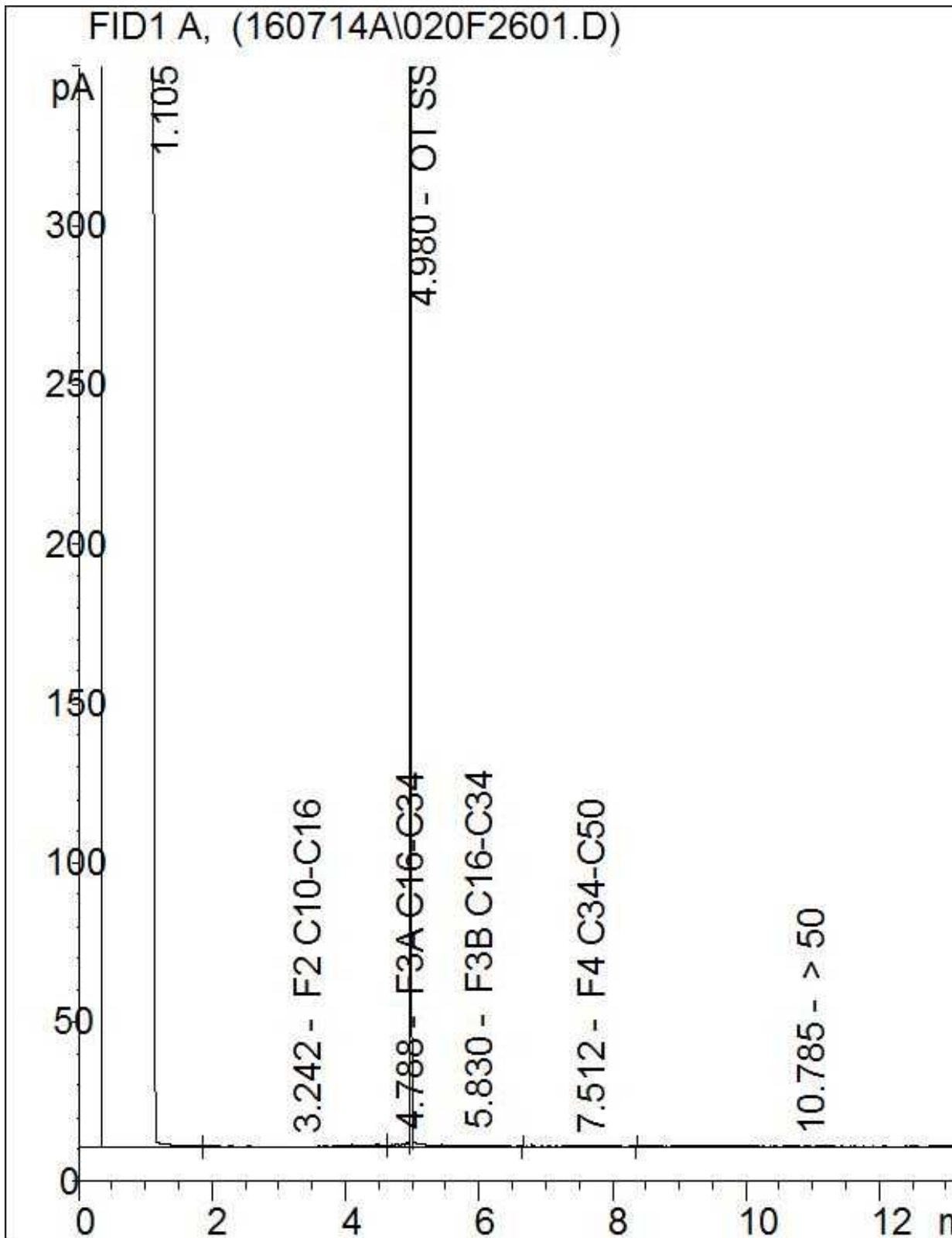
REC'D IN WATERLOO

| | | | | | | | | | | |
|---|-----------------------------|--------------|--|--------------------------------|---------------|-------------------------------|---------------------------------------|--|---|--|
| * RELINQUISHED BY: (Signature/Print) Tyler Mahmood | Date: (YY/MM/DD) 6/10/16 | Time 6:25 | RECEIVED BY: (Signature/Print) Rajmeet Kaur | Date: (YY/MM/DD) 2016/07/12 | Time 16:12 | # jars used and not submitted | Laboratory Use Only Time Sensitive | Temperature (°C) on Receipt 11.0°C ice 3.8°C | Custody Seal Present <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
|---|-----------------------------|--------------|--|--------------------------------|---------------|-------------------------------|---------------------------------------|--|---|--|

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS. SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM. White: Maxxam Yellow: Client

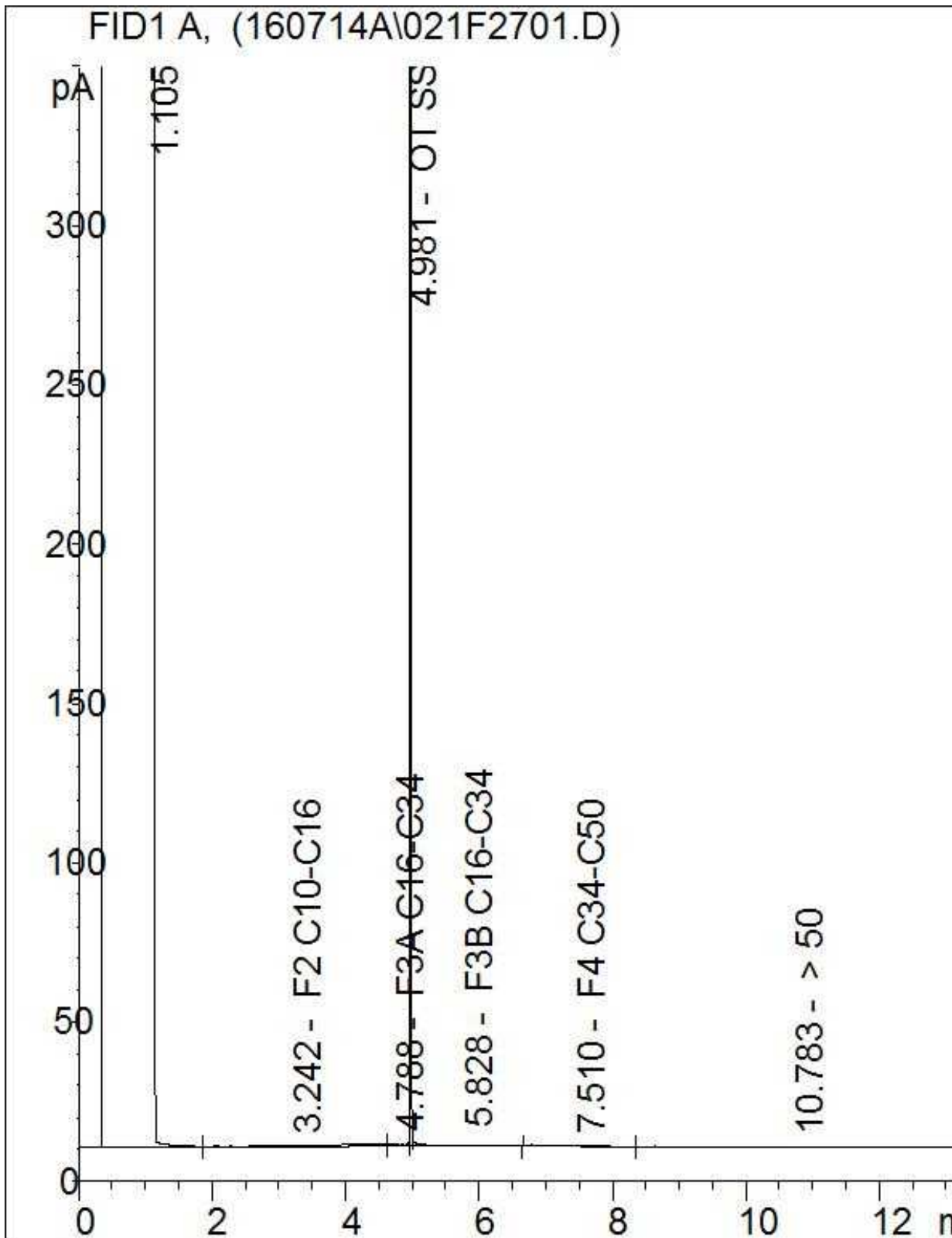
Maxxam Analytics International Corporation o/a Maxxam Analytics
 MW # 347 513 4/3/5 1/0/2

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



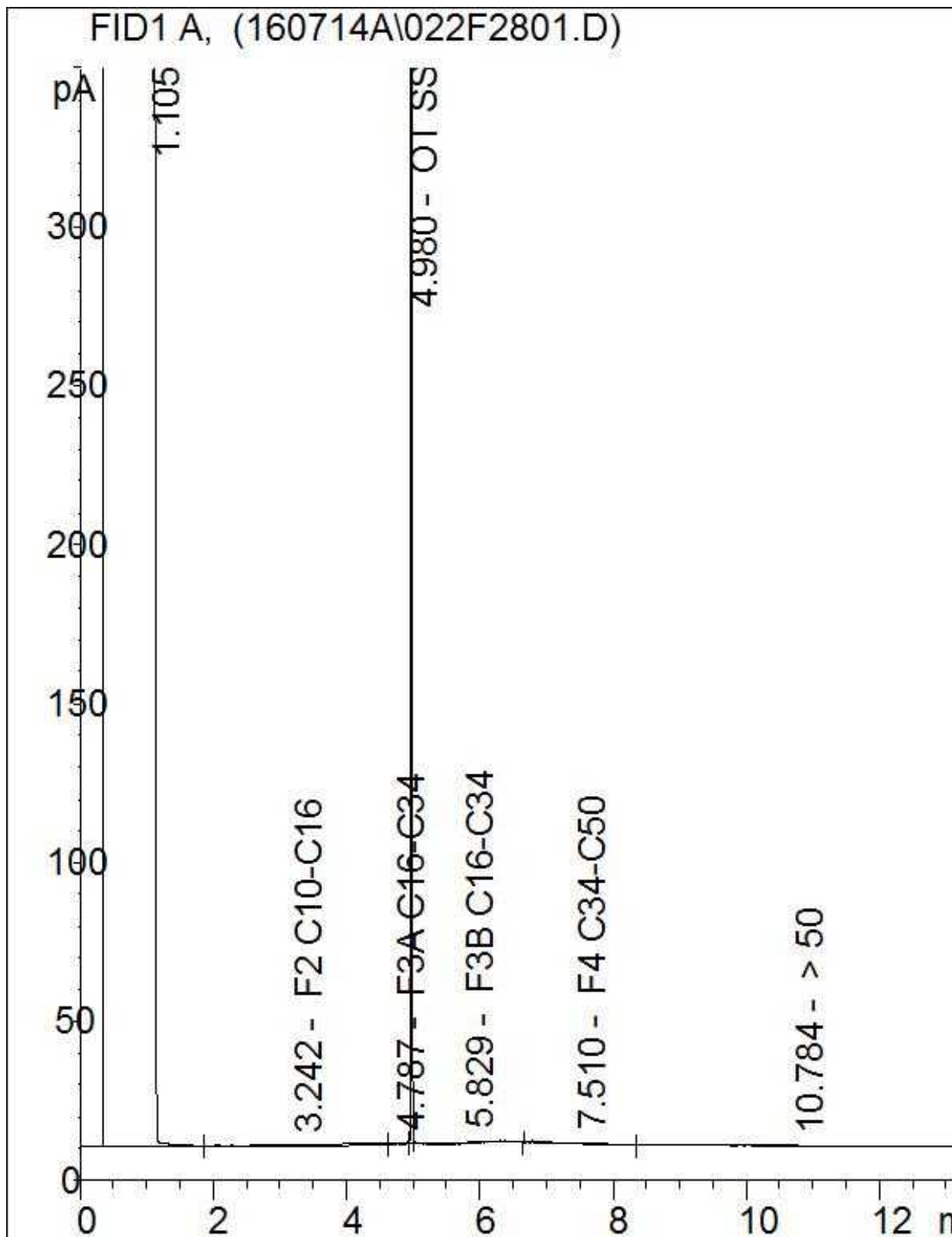
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



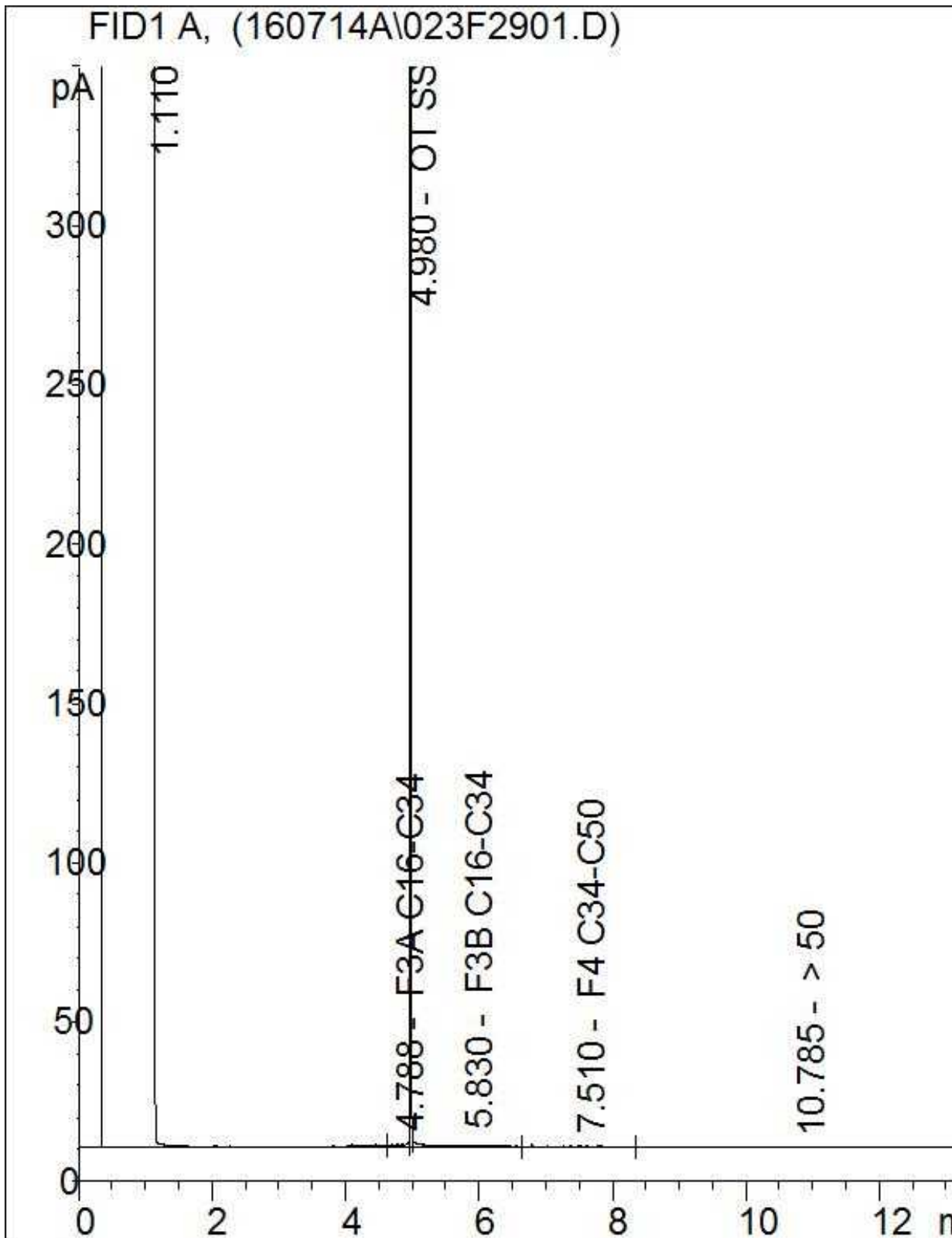
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



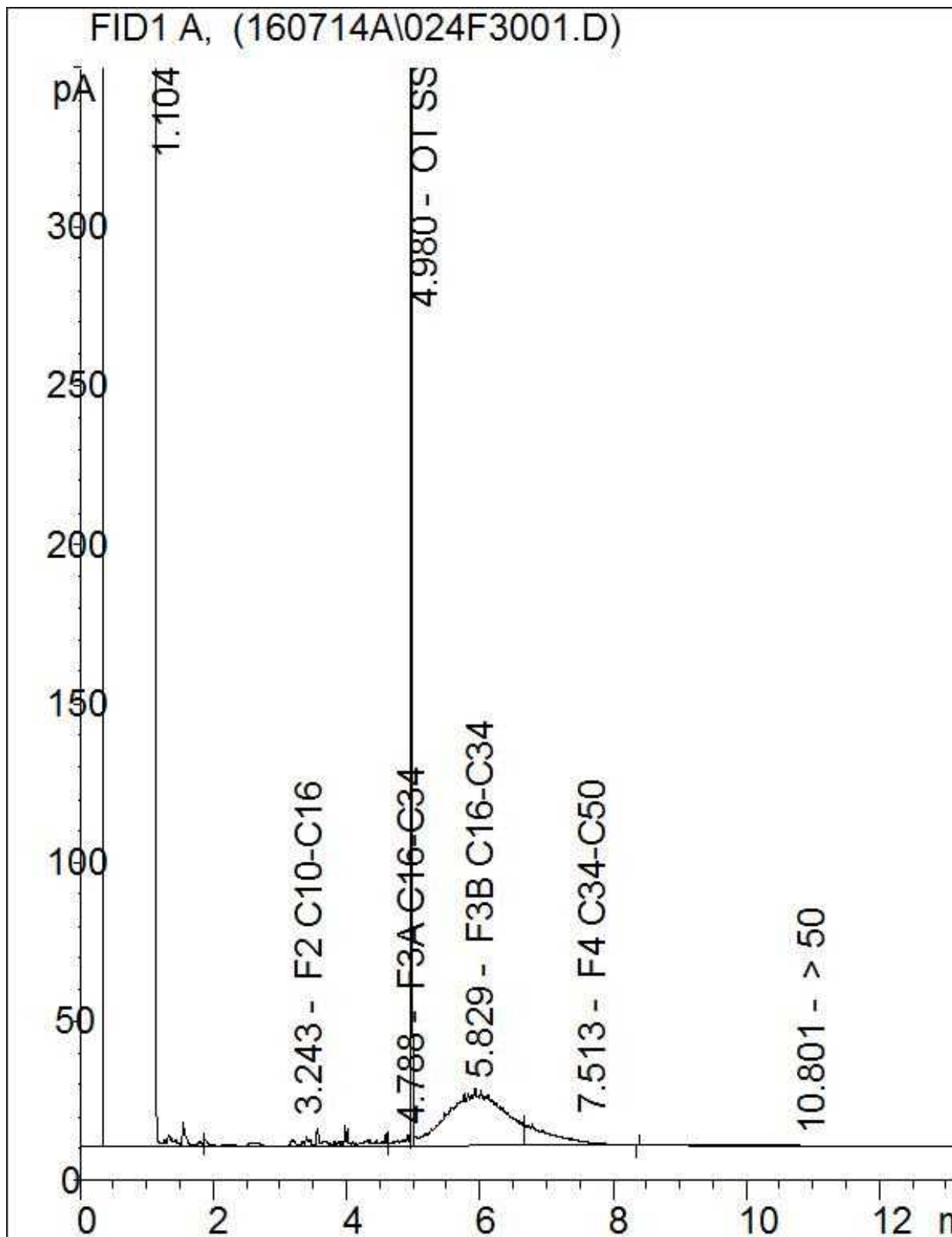
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



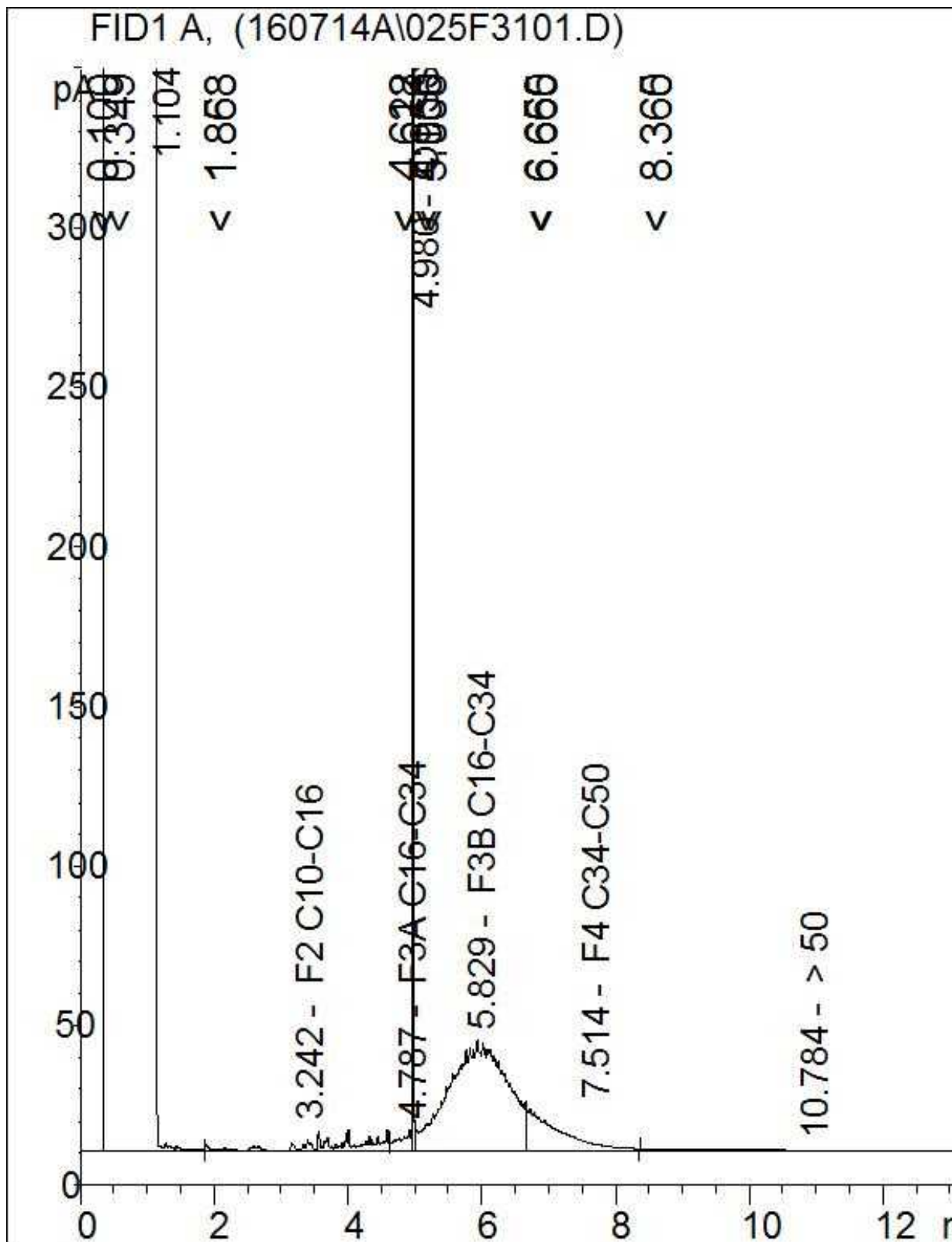
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



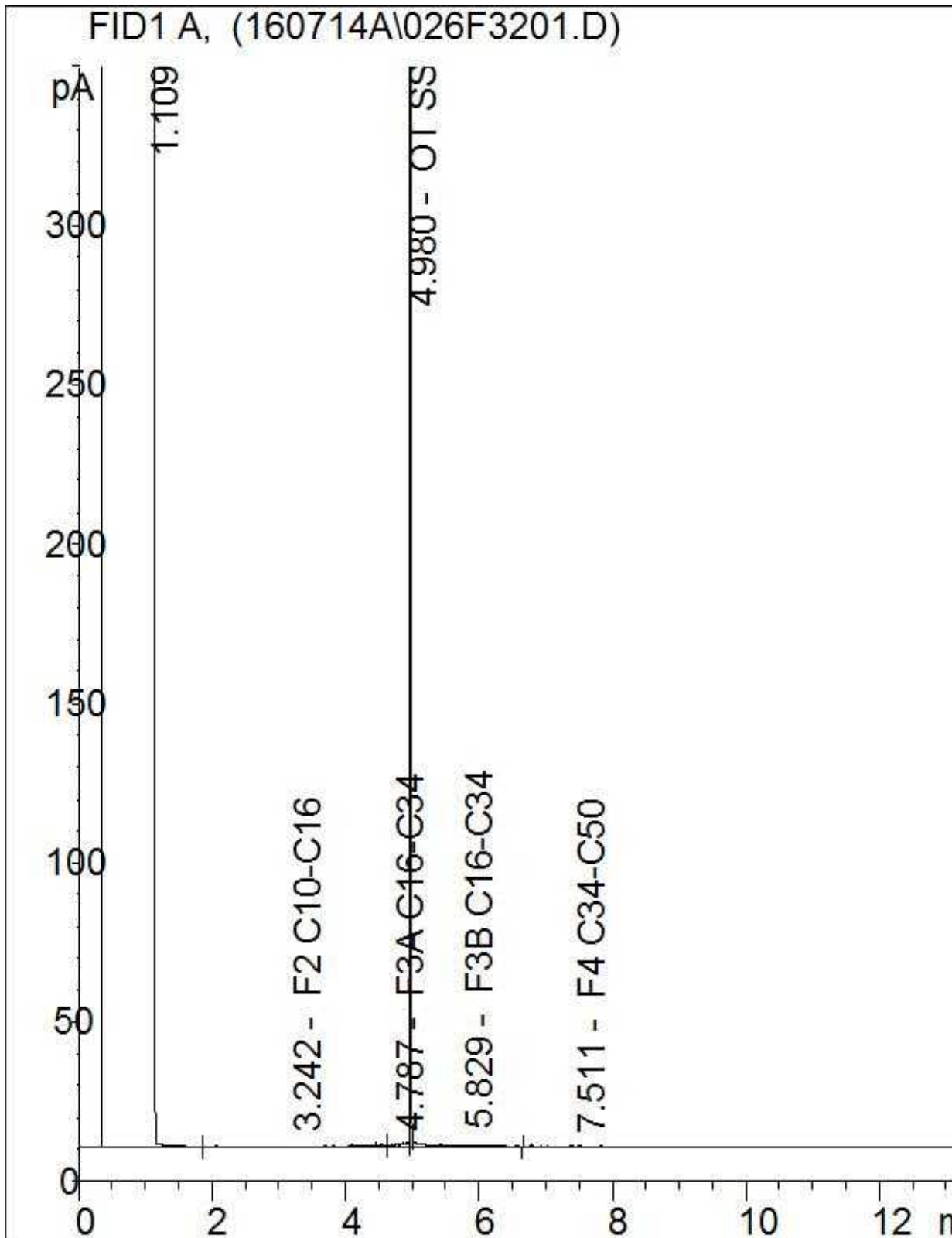
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Attention: Kristian Peter

XCG Consulting Limited
820 Trillium Dr
Kitchener, ON
N2R 1K4

Report Date: 2016/07/20
Report #: R4074308
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6E6644

Received: 2016/07/14, 15:37

Sample Matrix: Soil
Samples Received: 9

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Reference |
|--|-----------------|---------------------------|--------------------------|--------------------------|----------------------|
| Methylnaphthalene Sum | 7 | N/A | 2016/07/20 | CAM SOP-00301 | EPA 8270D m |
| Hot Water Extractable Boron | 7 | 2016/07/19 | 2016/07/19 | CAM SOP-00408 | R153 Ana. Prot. 2011 |
| 1,3-Dichloropropene Sum | 7 | N/A | 2016/07/20 | | EPA 8260C m |
| Cyanide (WAD) in Leachates | 1 | N/A | 2016/07/19 | CAM SOP-00457 | OMOE 3015 m |
| Hexavalent Chromium in Soil by IC (1) | 7 | 2016/07/15 | 2016/07/20 | CAM SOP-00436 | EPA 3060/7199 m |
| Petroleum Hydrocarbons F2-F4 in Soil (2) | 7 | 2016/07/18 | 2016/07/19 | CAM SOP-00316 | CCME CWS m |
| Fluoride by ISE in Leachates | 1 | 2016/07/19 | 2016/07/19 | CAM SOP-00449 | SM 22 4500-F- C m |
| Mercury (TCLP Leachable) (mg/L) | 1 | N/A | 2016/07/20 | CAM SOP-00453 | EPA 7470A m |
| Strong Acid Leachable Metals by ICPMS | 7 | 2016/07/18 | 2016/07/19 | CAM SOP-00447 | EPA 6020A m |
| Total Metals in TCLP Leachate by ICPMS | 1 | 2016/07/19 | 2016/07/19 | CAM SOP-00447 | EPA 6020A m |
| Moisture | 7 | N/A | 2016/07/16 | CAM SOP-00445 | Carter 2nd ed 51.2 m |
| Moisture | 1 | N/A | 2016/07/18 | CAM SOP-00445 | Carter 2nd ed 51.2 m |
| PAH Compounds in Soil by GC/MS (SIM) | 6 | 2016/07/18 | 2016/07/18 | CAM SOP-00318 | EPA 8270D m |
| PAH Compounds in Soil by GC/MS (SIM) | 1 | 2016/07/19 | 2016/07/20 | CAM SOP-00318 | EPA 8270D m |
| TCLP - % Solids | 1 | 2016/07/18 | 2016/07/19 | CAM SOP-00401 | EPA 1311 Update I m |
| TCLP - Extraction Fluid | 1 | N/A | 2016/07/19 | CAM SOP-00401 | EPA 1311 Update I m |
| TCLP - Initial and final pH | 1 | N/A | 2016/07/19 | CAM SOP-00401 | EPA 1311 Update I m |
| TCLP Zero Headspace Extraction | 1 | 2016/07/14 | 2016/07/16 | CAM SOP-00430 | EPA 1311 m |
| Volatile Organic Compounds and F1 PHCs | 7 | N/A | 2016/07/19 | CAM SOP-00230 | EPA 8260C m |
| VOCs in ZHE Leachates | 1 | 2016/07/18 | 2016/07/19 | CAM SOP-00226 | EPA 8260C m |

Sample Matrix: Water
Samples Received: 2

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Reference |
|---|-----------------|---------------------------|--------------------------|--------------------------|------------------|
| Methylnaphthalene Sum | 2 | N/A | 2016/07/18 | CAM SOP-00301 | EPA 8270D m |
| 1,3-Dichloropropene Sum | 2 | N/A | 2016/07/19 | | EPA 8260C m |
| Chromium (VI) in Water | 2 | N/A | 2016/07/18 | CAM SOP-00436 | EPA 7199 m |
| Petroleum Hydrocarbons F2-F4 in Water (2) | 2 | 2016/07/19 | 2016/07/20 | CAM SOP-00316 | CCME PHC-CWS m |
| Mercury | 1 | 2016/07/18 | 2016/07/18 | CAM SOP-00453 | EPA 7470A m |
| Mercury | 1 | 2016/07/19 | 2016/07/20 | CAM SOP-00453 | EPA 7470A m |

Attention:Kristian Peter

XCG Consulting Limited
820 Trillium Dr
Kitchener, ON
N2R 1K4

Report Date: 2016/07/20
Report #: R4074308
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6E6644

Received: 2016/07/14, 15:37

Sample Matrix: Water
Samples Received: 2

| Analyses | Date | | Laboratory Method | Reference |
|--|--------------------|------------|--------------------------|-------------|
| | Quantity Extracted | Analyzed | | |
| Dissolved Metals by ICPMS | 2 | N/A | 2016/07/15 CAM SOP-00447 | EPA 6020A m |
| PAH Compounds in Water by GC/MS (SIM) | 2 | 2016/07/15 | 2016/07/16 CAM SOP-00318 | EPA 8270D m |
| Volatile Organic Compounds and F1 PHCs | 2 | N/A | 2016/07/19 CAM SOP-00230 | EPA 8260C m |

Remarks:

Maxxam Analytics has performed all analytical testing herein in accordance with ISO 17025 and the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. All methodologies comply with this document and are validated for use in the laboratory. The methods and techniques employed in this analysis conform to the performance criteria (detection limits, accuracy and precision) as outlined in the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act.

Maxxam Analytics is accredited for all specific parameters as required by Ontario Regulation 153/04. Maxxam Analytics is limited in liability to the actual cost of analysis unless otherwise agreed in writing. There is no other warranty expressed or implied. Samples will be retained at Maxxam Analytics for three weeks from receipt of data or as per contract.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Soils are reported on a dry weight basis unless otherwise specified.

(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Maxxam conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Marijane Cruz, Senior Project Manager

Email: MCruz@maxxam.ca

Phone# (905)817-5756

=====
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

O.REG 153 METALS PACKAGE (SOIL)

| Maxxam ID | | CSB169 | CSB169 | CSB170 | CSB170 | CSB171 | | |
|--|-------|---------------------|------------------------|---------------------|------------------------|---------------------|-------|----------|
| Sampling Date | | 2016/07/13 09:15 | 2016/07/13 09:15 | 2016/07/13 10:00 | 2016/07/13 10:00 | 2016/07/13 10:50 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | 569052-02-01 | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-BH1-SS5 | XCG-BH1-SS5 Lab-Dup | XCG-BH2-SS5 | XCG-BH2-SS5 Lab-Dup | XCG-BH3-SS4 | RDL | QC Batch |
| Inorganics | | | | | | | | |
| Moisture | % | 5.0 | N/A | 14 | N/A | 9.2 | 1.0 | 4582027 |
| Chromium (VI) | ug/g | <0.2 | N/A | <0.2 | <0.2 | <0.2 | 0.2 | 4581011 |
| Metals | | | | | | | | |
| Hot Water Ext. Boron (B) | ug/g | 0.15 | 0.13 | 0.26 | N/A | 0.18 | 0.050 | 4584238 |
| Acid Extractable Antimony (Sb) | ug/g | <0.20 | N/A | 0.37 | N/A | <0.20 | 0.20 | 4583168 |
| Acid Extractable Arsenic (As) | ug/g | 1.0 | N/A | 4.6 | N/A | 1.9 | 1.0 | 4583168 |
| Acid Extractable Barium (Ba) | ug/g | 8.9 | N/A | 25 | N/A | 12 | 0.50 | 4583168 |
| Acid Extractable Beryllium (Be) | ug/g | <0.20 | N/A | <0.20 | N/A | <0.20 | 0.20 | 4583168 |
| Acid Extractable Boron (B) | ug/g | <5.0 | N/A | <5.0 | N/A | <5.0 | 5.0 | 4583168 |
| Acid Extractable Cadmium (Cd) | ug/g | <0.10 | N/A | 0.59 | N/A | 0.35 | 0.10 | 4583168 |
| Acid Extractable Chromium (Cr) | ug/g | 5.8 | N/A | 9.6 | N/A | 5.6 | 1.0 | 4583168 |
| Acid Extractable Cobalt (Co) | ug/g | 1.3 | N/A | 3.6 | N/A | 1.6 | 0.10 | 4583168 |
| Acid Extractable Copper (Cu) | ug/g | 6.7 | N/A | 16 | N/A | 7.6 | 0.50 | 4583168 |
| Acid Extractable Lead (Pb) | ug/g | 6.8 | N/A | 120 | N/A | 10 | 1.0 | 4583168 |
| Acid Extractable Molybdenum (Mo) | ug/g | 0.64 | N/A | 1.1 | N/A | 0.55 | 0.50 | 4583168 |
| Acid Extractable Nickel (Ni) | ug/g | 3.2 | N/A | 11 | N/A | 4.3 | 0.50 | 4583168 |
| Acid Extractable Selenium (Se) | ug/g | <0.50 | N/A | 0.52 | N/A | <0.50 | 0.50 | 4583168 |
| Acid Extractable Silver (Ag) | ug/g | <0.20 | N/A | <0.20 | N/A | <0.20 | 0.20 | 4583168 |
| Acid Extractable Thallium (Tl) | ug/g | <0.050 | N/A | 0.11 | N/A | <0.050 | 0.050 | 4583168 |
| Acid Extractable Uranium (U) | ug/g | 0.33 | N/A | 0.73 | N/A | 0.50 | 0.050 | 4583168 |
| Acid Extractable Vanadium (V) | ug/g | 6.0 | N/A | 13 | N/A | 7.9 | 5.0 | 4583168 |
| Acid Extractable Zinc (Zn) | ug/g | 43 | N/A | 350 | N/A | 190 | 5.0 | 4583168 |
| Acid Extractable Mercury (Hg) | ug/g | <0.050 | N/A | <0.050 | N/A | <0.050 | 0.050 | 4583168 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable | | | | | | | | |

O.REG 153 METALS PACKAGE (SOIL)

| Maxxam ID | | CSB172 | CSB172 | CSB173 | CSB174 | CSB176 | | |
|--|-------|---------------------|------------------------|---------------------|---------------------|---------------------|-------|----------|
| Sampling Date | | 2016/07/13 11:30 | 2016/07/13 11:30 | 2016/07/13 12:30 | 2016/07/13 13:00 | 2016/07/13 12:00 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | 569052-02-01 | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-BH4-SS4 | XCG-BH4-SS4 Lab-Dup | XCG-BH5-SS4 | XCG-BH6-SS4 | TM-200 | RDL | QC Batch |
| Inorganics | | | | | | | | |
| Moisture | % | 5.3 | N/A | 13 | 11 | 6.3 | 1.0 | 4582027 |
| Chromium (VI) | ug/g | <0.2 | N/A | <0.2 | <0.2 | <0.2 | 0.2 | 4581011 |
| Metals | | | | | | | | |
| Hot Water Ext. Boron (B) | ug/g | 0.12 | N/A | 0.097 | 0.085 | 0.18 | 0.050 | 4584238 |
| Acid Extractable Antimony (Sb) | ug/g | <0.20 | <0.20 | 0.34 | <0.20 | <0.20 | 0.20 | 4583168 |
| Acid Extractable Arsenic (As) | ug/g | 1.3 | 1.4 | 11 | 8.6 | 1.5 | 1.0 | 4583168 |
| Acid Extractable Barium (Ba) | ug/g | 13 | 12 | 22 | 23 | 12 | 0.50 | 4583168 |
| Acid Extractable Beryllium (Be) | ug/g | <0.20 | <0.20 | <0.20 | 0.20 | <0.20 | 0.20 | 4583168 |
| Acid Extractable Boron (B) | ug/g | <5.0 | <5.0 | 5.9 | <5.0 | 5.0 | 5.0 | 4583168 |
| Acid Extractable Cadmium (Cd) | ug/g | 0.37 | 0.47 | 1.3 | 1.3 | 0.15 | 0.10 | 4583168 |
| Acid Extractable Chromium (Cr) | ug/g | 4.6 | 5.0 | 10 | 9.6 | 6.0 | 1.0 | 4583168 |
| Acid Extractable Cobalt (Co) | ug/g | 1.6 | 1.6 | 5.8 | 3.9 | 1.7 | 0.10 | 4583168 |
| Acid Extractable Copper (Cu) | ug/g | 6.1 | 6.3 | 37 | 31 | 6.6 | 0.50 | 4583168 |
| Acid Extractable Lead (Pb) | ug/g | 15 | 15 | 71 | 60 | 8.8 | 1.0 | 4583168 |
| Acid Extractable Molybdenum (Mo) | ug/g | <0.50 | <0.50 | 7.7 | 0.82 | 0.53 | 0.50 | 4583168 |
| Acid Extractable Nickel (Ni) | ug/g | 3.6 | 3.6 | 16 | 11 | 4.0 | 0.50 | 4583168 |
| Acid Extractable Selenium (Se) | ug/g | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4583168 |
| Acid Extractable Silver (Ag) | ug/g | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 4583168 |
| Acid Extractable Thallium (Tl) | ug/g | <0.050 | <0.050 | 0.12 | 0.20 | <0.050 | 0.050 | 4583168 |
| Acid Extractable Uranium (U) | ug/g | 0.41 | 0.38 | 1.1 | 0.72 | 0.37 | 0.050 | 4583168 |
| Acid Extractable Vanadium (V) | ug/g | 8.6 | 8.9 | 16 | 15 | 7.2 | 5.0 | 4583168 |
| Acid Extractable Zinc (Zn) | ug/g | 170 | 200 | 1400 | 650 | 100 | 5.0 | 4583168 |
| Acid Extractable Mercury (Hg) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583168 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable | | | | | | | | |

O.REG 153 PAHS (SOIL)

| Maxxam ID | | CSB169 | CSB169 | CSB170 | | CSB171 | | |
|--|--------------|---------------------|--------------------------------|---------------------|-----------------|---------------------|------------|-----------------|
| Sampling Date | | 2016/07/13 09:15 | 2016/07/13 09:15 | 2016/07/13 10:00 | | 2016/07/13 10:50 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | 569052-02-01 | | 569052-02-01 | | |
| | UNITS | XCG-BH1-SS5 | XCG-BH1-SS5 Lab-Dup | XCG-BH2-SS5 | QC Batch | XCG-BH3-SS4 | RDL | QC Batch |
| Calculated Parameters | | | | | | | | |
| Methylnaphthalene, 2-(1-) | ug/g | <0.0071 | N/A | <0.0071 | 4579228 | <0.0071 | 0.0071 | 4579228 |
| Polyaromatic Hydrocarbons | | | | | | | | |
| Acenaphthene | ug/g | <0.0050 | <0.0050 | <0.0050 | 4582576 | <0.0050 | 0.0050 | 4585542 |
| Acenaphthylene | ug/g | <0.0050 | <0.0050 | <0.0050 | 4582576 | <0.0050 | 0.0050 | 4585542 |
| Anthracene | ug/g | <0.0050 | <0.0050 | <0.0050 | 4582576 | <0.0050 | 0.0050 | 4585542 |
| Benzo(a)anthracene | ug/g | 0.0067 | 0.0084 | <0.0050 | 4582576 | 0.0057 | 0.0050 | 4585542 |
| Benzo(a)pyrene | ug/g | 0.0068 | 0.0077 | <0.0050 | 4582576 | 0.0065 | 0.0050 | 4585542 |
| Benzo(b/j)fluoranthene | ug/g | 0.0094 | 0.011 | 0.0050 | 4582576 | 0.0085 | 0.0050 | 4585542 |
| Benzo(g,h,i)perylene | ug/g | 0.0053 | 0.0055 | <0.0050 | 4582576 | 0.0058 | 0.0050 | 4585542 |
| Benzo(k)fluoranthene | ug/g | <0.0050 | <0.0050 | <0.0050 | 4582576 | <0.0050 | 0.0050 | 4585542 |
| Chrysene | ug/g | 0.0060 | 0.0068 | <0.0050 | 4582576 | 0.0057 | 0.0050 | 4585542 |
| Dibenz(a,h)anthracene | ug/g | <0.0050 | <0.0050 | <0.0050 | 4582576 | <0.0050 | 0.0050 | 4585542 |
| Fluoranthene | ug/g | 0.014 | 0.017 | <0.0050 | 4582576 | 0.013 | 0.0050 | 4585542 |
| Fluorene | ug/g | <0.0050 | <0.0050 | <0.0050 | 4582576 | <0.0050 | 0.0050 | 4585542 |
| Indeno(1,2,3-cd)pyrene | ug/g | 0.0051 | 0.0056 | <0.0050 | 4582576 | 0.0052 | 0.0050 | 4585542 |
| 1-Methylnaphthalene | ug/g | <0.0050 | <0.0050 | <0.0050 | 4582576 | <0.0050 | 0.0050 | 4585542 |
| 2-Methylnaphthalene | ug/g | <0.0050 | <0.0050 | <0.0050 | 4582576 | <0.0050 | 0.0050 | 4585542 |
| Naphthalene | ug/g | <0.0050 | <0.0050 | <0.0050 | 4582576 | <0.0050 | 0.0050 | 4585542 |
| Phenanthrene | ug/g | <0.0050 | 0.0052 | <0.0050 | 4582576 | 0.0055 | 0.0050 | 4585542 |
| Pyrene | ug/g | 0.015 | 0.016 | <0.0050 | 4582576 | 0.012 | 0.0050 | 4585542 |
| Surrogate Recovery (%) | | | | | | | | |
| D10-Anthracene | % | 94 | 95 | 101 | 4582576 | 97 | N/A | 4585542 |
| D14-Terphenyl (FS) | % | 92 | 92 | 92 | 4582576 | 99 | N/A | 4585542 |
| D8-Acenaphthylene | % | 100 | 100 | 107 | 4582576 | 87 | N/A | 4585542 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable | | | | | | | | |

O.REG 153 PAHS (SOIL)

| Maxxam ID | | CSB172 | CSB173 | CSB174 | CSB175 | | |
|--|-------|---------------------|---------------------|---------------------|---------------------|--------|----------|
| Sampling Date | | 2016/07/13 11:30 | 2016/07/13 12:30 | 2016/07/13 13:00 | 2016/07/13 12:00 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-BH4-SS4 | XCG-BH5-SS4 | XCG-BH6-SS4 | TM-100 | RDL | QC Batch |
| Inorganics | | | | | | | |
| Moisture | % | N/A | N/A | N/A | 6.0 | 1.0 | 4582781 |
| Calculated Parameters | | | | | | | |
| Methylnaphthalene, 2-(1-) | ug/g | <0.0071 | <0.0071 | <0.0071 | <0.0071 | 0.0071 | 4579228 |
| Polyaromatic Hydrocarbons | | | | | | | |
| Acenaphthene | ug/g | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 4582576 |
| Acenaphthylene | ug/g | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 4582576 |
| Anthracene | ug/g | 0.0055 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 4582576 |
| Benzo(a)anthracene | ug/g | 0.0080 | <0.0050 | <0.0050 | 0.011 | 0.0050 | 4582576 |
| Benzo(a)pyrene | ug/g | 0.0059 | <0.0050 | <0.0050 | 0.010 | 0.0050 | 4582576 |
| Benzo(b/j)fluoranthene | ug/g | 0.010 | <0.0050 | <0.0050 | 0.014 | 0.0050 | 4582576 |
| Benzo(g,h,i)perylene | ug/g | 0.0051 | <0.0050 | <0.0050 | 0.0065 | 0.0050 | 4582576 |
| Benzo(k)fluoranthene | ug/g | <0.0050 | <0.0050 | <0.0050 | 0.0052 | 0.0050 | 4582576 |
| Chrysene | ug/g | 0.0071 | 0.0056 | <0.0050 | 0.0088 | 0.0050 | 4582576 |
| Dibenz(a,h)anthracene | ug/g | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 4582576 |
| Fluoranthene | ug/g | 0.019 | <0.0050 | <0.0050 | 0.026 | 0.0050 | 4582576 |
| Fluorene | ug/g | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 4582576 |
| Indeno(1,2,3-cd)pyrene | ug/g | <0.0050 | <0.0050 | <0.0050 | 0.0066 | 0.0050 | 4582576 |
| 1-Methylnaphthalene | ug/g | 0.0055 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 4582576 |
| 2-Methylnaphthalene | ug/g | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 4582576 |
| Naphthalene | ug/g | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 4582576 |
| Phenanthrene | ug/g | 0.0094 | <0.0050 | <0.0050 | 0.0085 | 0.0050 | 4582576 |
| Pyrene | ug/g | 0.019 | 0.0053 | <0.0050 | 0.024 | 0.0050 | 4582576 |
| Surrogate Recovery (%) | | | | | | | |
| D10-Anthracene | % | 102 | 99 | 96 | 98 | N/A | 4582576 |
| D14-Terphenyl (FS) | % | 96 | 91 | 88 | 91 | N/A | 4582576 |
| D8-Acenaphthylene | % | 110 | 106 | 100 | 104 | N/A | 4582576 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | | | | |

O.REG 153 VOCS & F1-F4 (SOIL)

| Maxxam ID | | CSB169 | CSB170 | CSB171 | CSB172 | CSB173 | | |
|---------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|-----|----------|
| Sampling Date | | 2016/07/13 09:15 | 2016/07/13 10:00 | 2016/07/13 10:50 | 2016/07/13 11:30 | 2016/07/13 12:30 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | 569052-02-01 | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-BH1-SS5 | XCG-BH2-SS5 | XCG-BH3-SS4 | XCG-BH4-SS4 | XCG-BH5-SS4 | RDL | QC Batch |

| Calculated Parameters | | | | | | | | |
|-------------------------------------|------|--------|--------|--------|--------|--------|-------|---------|
| 1,3-Dichloropropene (cis+trans) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4578831 |
| Volatile Organics | | | | | | | | |
| Acetone (2-Propanone) | ug/g | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4583290 |
| Benzene | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| Bromodichloromethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Bromoform | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Bromomethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Carbon Tetrachloride | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Chlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Chloroform | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Dibromochloromethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,2-Dichlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,3-Dichlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,4-Dichlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Dichlorodifluoromethane (FREON 12) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1-Dichloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,2-Dichloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1-Dichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| cis-1,2-Dichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| trans-1,2-Dichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,2-Dichloropropane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| cis-1,3-Dichloropropene | ug/g | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | 0.030 | 4583290 |
| trans-1,3-Dichloropropene | ug/g | <0.040 | <0.040 | <0.040 | <0.040 | <0.040 | 0.040 | 4583290 |
| Ethylbenzene | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| Ethylene Dibromide | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Hexane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Methylene Chloride(Dichloromethane) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Methyl Ethyl Ketone (2-Butanone) | ug/g | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4583290 |
| Methyl Isobutyl Ketone | ug/g | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 4583290 |
| Methyl t-butyl ether (MTBE) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Styrene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1,1,2-Tetrachloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1,2,2-Tetrachloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Tetrachloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Toluene | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| RDL = Reportable Detection Limit | | | | | | | | |
| QC Batch = Quality Control Batch | | | | | | | | |

O.REG 153 VOCS & F1-F4 (SOIL)

| Maxxam ID | | CSB169 | CSB170 | CSB171 | CSB172 | CSB173 | | |
|--|-------|---------------------|---------------------|---------------------|---------------------|---------------------|-------|----------|
| Sampling Date | | 2016/07/13 09:15 | 2016/07/13 10:00 | 2016/07/13 10:50 | 2016/07/13 11:30 | 2016/07/13 12:30 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | 569052-02-01 | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-BH1-SS5 | XCG-BH2-SS5 | XCG-BH3-SS4 | XCG-BH4-SS4 | XCG-BH5-SS4 | RDL | QC Batch |
| 1,1,1-Trichloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1,2-Trichloroethane | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Trichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Trichlorofluoromethane (FREON 11) | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Vinyl Chloride | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| p+m-Xylene | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| o-Xylene | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| Total Xylenes | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| F1 (C6-C10) | ug/g | <10 | <10 | <10 | <10 | <10 | 10 | 4583290 |
| F1 (C6-C10) - BTEX | ug/g | <10 | <10 | <10 | <10 | <10 | 10 | 4583290 |
| F2-F4 Hydrocarbons | | | | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/g | <10 | <10 | <10 | <10 | 13 | 10 | 4583195 |
| F3 (C16-C34 Hydrocarbons) | ug/g | 62 | <50 | <50 | 85 | 130 | 50 | 4583195 |
| F4 (C34-C50 Hydrocarbons) | ug/g | <50 | <50 | <50 | <50 | <50 | 50 | 4583195 |
| Reached Baseline at C50 | ug/g | Yes | Yes | Yes | Yes | Yes | N/A | 4583195 |
| Surrogate Recovery (%) | | | | | | | | |
| o-Terphenyl | % | 106 | 104 | 100 | 101 | 102 | N/A | 4583195 |
| 4-Bromofluorobenzene | % | 91 | 91 | 90 | 90 | 90 | N/A | 4583290 |
| D10-o-Xylene | % | 87 | 85 | 79 | 81 | 85 | N/A | 4583290 |
| D4-1,2-Dichloroethane | % | 108 | 91 | 108 | 108 | 109 | N/A | 4583290 |
| D8-Toluene | % | 97 | 97 | 97 | 97 | 96 | N/A | 4583290 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | | | | | |

O.REG 153 VOCS & F1-F4 (SOIL)

| Maxxam ID | | CSB174 | CSB175 | CSB175 | | |
|--|-------|---------------------|---------------------|---------------------|-------|----------|
| Sampling Date | | 2016/07/13 13:00 | 2016/07/13 12:00 | 2016/07/13 12:00 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-BH6-SS4 | TM-100 | TM-100 Lab-Dup | RDL | QC Batch |
| Calculated Parameters | | | | | | |
| 1,3-Dichloropropene (cis+trans) | ug/g | <0.050 | <0.050 | N/A | 0.050 | 4578831 |
| Volatile Organics | | | | | | |
| Acetone (2-Propanone) | ug/g | <0.50 | <0.50 | <0.50 | 0.50 | 4583290 |
| Benzene | ug/g | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| Bromodichloromethane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Bromoform | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Bromomethane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Carbon Tetrachloride | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Chlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Chloroform | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Dibromochloromethane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,2-Dichlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,3-Dichlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,4-Dichlorobenzene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Dichlorodifluoromethane (FREON 12) | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1-Dichloroethane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,2-Dichloroethane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1-Dichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| cis-1,2-Dichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| trans-1,2-Dichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,2-Dichloropropane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| cis-1,3-Dichloropropene | ug/g | <0.030 | <0.030 | <0.030 | 0.030 | 4583290 |
| trans-1,3-Dichloropropene | ug/g | <0.040 | <0.040 | <0.040 | 0.040 | 4583290 |
| Ethylbenzene | ug/g | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| Ethylene Dibromide | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Hexane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Methylene Chloride(Dichloromethane) | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Methyl Ethyl Ketone (2-Butanone) | ug/g | <0.50 | <0.50 | <0.50 | 0.50 | 4583290 |
| Methyl Isobutyl Ketone | ug/g | <0.50 | <0.50 | <0.50 | 0.50 | 4583290 |
| Methyl t-butyl ether (MTBE) | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Styrene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1,1,2-Tetrachloroethane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1,1,2-Tetrachloroethane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable | | | | | | |

O.REG 153 VOCS & F1-F4 (SOIL)

| Maxxam ID | | CSB174 | CSB175 | CSB175 | | |
|--|-------|---------------------|---------------------|---------------------|-------|----------|
| Sampling Date | | 2016/07/13 13:00 | 2016/07/13 12:00 | 2016/07/13 12:00 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-BH6-SS4 | TM-100 | TM-100 Lab-Dup | RDL | QC Batch |
| Tetrachloroethylene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Toluene | ug/g | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| 1,1,1-Trichloroethane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| 1,1,2-Trichloroethane | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Trichloroethylene | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Trichlorofluoromethane (FREON 11) | ug/g | <0.050 | <0.050 | <0.050 | 0.050 | 4583290 |
| Vinyl Chloride | ug/g | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| p+m-Xylene | ug/g | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| o-Xylene | ug/g | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| Total Xylenes | ug/g | <0.020 | <0.020 | <0.020 | 0.020 | 4583290 |
| F1 (C6-C10) | ug/g | <10 | <10 | <10 | 10 | 4583290 |
| F1 (C6-C10) - BTEX | ug/g | <10 | <10 | <10 | 10 | 4583290 |
| F2-F4 Hydrocarbons | | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/g | <10 | <10 | N/A | 10 | 4583195 |
| F3 (C16-C34 Hydrocarbons) | ug/g | <50 | 61 | N/A | 50 | 4583195 |
| F4 (C34-C50 Hydrocarbons) | ug/g | <50 | <50 | N/A | 50 | 4583195 |
| Reached Baseline at C50 | ug/g | Yes | Yes | N/A | N/A | 4583195 |
| Surrogate Recovery (%) | | | | | | |
| o-Terphenyl | % | 100 | 104 | N/A | N/A | 4583195 |
| 4-Bromofluorobenzene | % | 90 | 90 | 90 | N/A | 4583290 |
| D10-o-Xylene | % | 84 | 79 | 80 | N/A | 4583290 |
| D4-1,2-Dichloroethane | % | 107 | 108 | 93 | N/A | 4583290 |
| D8-Toluene | % | 96 | 97 | 97 | N/A | 4583290 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable | | | | | | |

NEWALTA LANDFILL TCLP MINIMUM PACKAGE (SOIL)

| Maxxam ID | | CSB177 | | |
|--|-------|--------------|--------|----------|
| Sampling Date | | 2016/07/13 | | |
| COC Number | | 569052-02-01 | | |
| | UNITS | TCLP | RDL | QC Batch |
| Charge/Prep Analysis | | | | |
| Amount Extracted (Wet Weight) (g) | N/A | 25 | N/A | 4579985 |
| Inorganics | | | | |
| Final pH | pH | 5.83 | N/A | 4584271 |
| Leachable Fluoride (F-) | mg/L | 0.24 | 0.10 | 4584696 |
| Leachable Free Cyanide | mg/L | <0.010 | 0.010 | 4584703 |
| Initial pH | pH | 9.72 | N/A | 4584271 |
| TCLP - % Solids | % | 100 | 0.2 | 4584265 |
| TCLP Extraction Fluid | N/A | FLUID 2 | N/A | 4584269 |
| Metals | | | | |
| Leachable Mercury (Hg) | mg/L | <0.0010 | 0.0010 | 4584410 |
| Leachable Arsenic (As) | mg/L | <0.2 | 0.2 | 4584671 |
| Leachable Barium (Ba) | mg/L | <0.2 | 0.2 | 4584671 |
| Leachable Boron (B) | mg/L | 0.2 | 0.1 | 4584671 |
| Leachable Cadmium (Cd) | mg/L | <0.05 | 0.05 | 4584671 |
| Leachable Chromium (Cr) | mg/L | <0.1 | 0.1 | 4584671 |
| Leachable Lead (Pb) | mg/L | <0.1 | 0.1 | 4584671 |
| Leachable Selenium (Se) | mg/L | <0.1 | 0.1 | 4584671 |
| Leachable Silver (Ag) | mg/L | <0.01 | 0.01 | 4584671 |
| Leachable Uranium (U) | mg/L | <0.01 | 0.01 | 4584671 |
| Volatile Organics | | | | |
| Leachable Benzene | mg/L | <0.020 | 0.020 | 4582505 |
| Leachable Carbon Tetrachloride | mg/L | <0.020 | 0.020 | 4582505 |
| Leachable Chlorobenzene | mg/L | <0.020 | 0.020 | 4582505 |
| Leachable Chloroform | mg/L | <0.020 | 0.020 | 4582505 |
| Leachable 1,2-Dichlorobenzene | mg/L | <0.050 | 0.050 | 4582505 |
| Leachable 1,4-Dichlorobenzene | mg/L | <0.050 | 0.050 | 4582505 |
| Leachable 1,2-Dichloroethane | mg/L | <0.050 | 0.050 | 4582505 |
| Leachable 1,1-Dichloroethylene | mg/L | <0.020 | 0.020 | 4582505 |
| Leachable Methylene Chloride(Dichloromethane) | mg/L | <0.20 | 0.20 | 4582505 |
| Leachable Methyl Ethyl Ketone (2-Butanone) | mg/L | <1.0 | 1.0 | 4582505 |
| Leachable Tetrachloroethylene | mg/L | <0.020 | 0.020 | 4582505 |
| Leachable Trichloroethylene | mg/L | <0.020 | 0.020 | 4582505 |
| Leachable Vinyl Chloride | mg/L | <0.020 | 0.020 | 4582505 |
| Surrogate Recovery (%) | | | | |
| Leachable 4-Bromofluorobenzene | % | 97 | N/A | 4582505 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | |

NEWALTA LANDFILL TCLP MINIMUM PACKAGE (SOIL)

| | | | | |
|--|--------------|--------------|------------|-----------------|
| Maxxam ID | | CSB177 | | |
| Sampling Date | | 2016/07/13 | | |
| COC Number | | 569052-02-01 | | |
| | UNITS | TCLP | RDL | QC Batch |
| Leachable D4-1,2-Dichloroethane | % | 98 | N/A | 4582505 |
| Leachable D8-Toluene | % | 96 | N/A | 4582505 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | |

O.REG 153 METALS PACKAGE (WATER)

| Maxxam ID | | CSB178 | | | CSB179 | | |
|----------------------------------|-------|---------------------|-------|----------|---------------------|-------|----------|
| Sampling Date | | 2016/07/13 15:00 | | | 2016/07/13 15:30 | | |
| COC Number | | 569052-02-01 | | | 569052-02-01 | | |
| | UNITS | XCG-MW2 | RDL | QC Batch | MWB | RDL | QC Batch |
| Metals | | | | | | | |
| Chromium (VI) | ug/L | 1.4 | 0.50 | 4580975 | <0.50 | 0.50 | 4580975 |
| Mercury (Hg) | ug/L | <0.1 | 0.1 | 4583914 | <0.1 | 0.1 | 4580076 |
| Dissolved Antimony (Sb) | ug/L | 3.9 | 0.50 | 4580359 | <0.50 | 0.50 | 4580359 |
| Dissolved Arsenic (As) | ug/L | 12 | 1.0 | 4580359 | <1.0 | 1.0 | 4580359 |
| Dissolved Barium (Ba) | ug/L | 69 | 2.0 | 4580359 | 84 | 2.0 | 4580359 |
| Dissolved Beryllium (Be) | ug/L | <0.50 | 0.50 | 4580359 | <0.50 | 0.50 | 4580359 |
| Dissolved Boron (B) | ug/L | 83 | 10 | 4580359 | 92 | 10 | 4580359 |
| Dissolved Cadmium (Cd) | ug/L | <0.10 | 0.10 | 4580359 | <0.10 | 0.10 | 4580359 |
| Dissolved Chromium (Cr) | ug/L | <5.0 | 5.0 | 4580359 | <5.0 | 5.0 | 4580359 |
| Dissolved Cobalt (Co) | ug/L | <0.50 | 0.50 | 4580359 | <0.50 | 0.50 | 4580359 |
| Dissolved Copper (Cu) | ug/L | 9.7 | 1.0 | 4580359 | <1.0 | 1.0 | 4580359 |
| Dissolved Lead (Pb) | ug/L | <0.50 | 0.50 | 4580359 | <0.50 | 0.50 | 4580359 |
| Dissolved Molybdenum (Mo) | ug/L | 110 | 0.50 | 4580359 | 2.2 | 0.50 | 4580359 |
| Dissolved Nickel (Ni) | ug/L | 3.0 | 1.0 | 4580359 | <1.0 | 1.0 | 4580359 |
| Dissolved Selenium (Se) | ug/L | <2.0 | 2.0 | 4580359 | <2.0 | 2.0 | 4580359 |
| Dissolved Silver (Ag) | ug/L | <0.10 | 0.10 | 4580359 | <0.10 | 0.10 | 4580359 |
| Dissolved Sodium (Na) | ug/L | 320000 | 100 | 4580359 | 220000 | 100 | 4580359 |
| Dissolved Thallium (Tl) | ug/L | <0.050 | 0.050 | 4580359 | <0.050 | 0.050 | 4580359 |
| Dissolved Uranium (U) | ug/L | 2.8 | 0.10 | 4580359 | 0.59 | 0.10 | 4580359 |
| Dissolved Vanadium (V) | ug/L | 2.1 | 1.0 | 4580359 | <0.50 | 0.50 | 4580359 |
| Dissolved Zinc (Zn) | ug/L | 5.7 | 5.0 | 4580359 | <5.0 | 5.0 | 4580359 |
| RDL = Reportable Detection Limit | | | | | | | |
| QC Batch = Quality Control Batch | | | | | | | |

O.REG 153 PAHS (WATER)

| Maxxam ID | | CSB178 | CSB179 | | |
|--|-------|---------------------|---------------------|-------|----------|
| Sampling Date | | 2016/07/13 15:00 | 2016/07/13 15:30 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-MW2 | MWB | RDL | QC Batch |
| Calculated Parameters | | | | | |
| Methylnaphthalene, 2-(1-) | ug/L | <0.071 | <0.071 | 0.071 | 4578062 |
| Polyaromatic Hydrocarbons | | | | | |
| Acenaphthene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Acenaphthylene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Anthracene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Benzo(a)anthracene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Benzo(a)pyrene | ug/L | <0.010 | <0.010 | 0.010 | 4580844 |
| Benzo(b/j)fluoranthene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Benzo(g,h,i)perylene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Benzo(k)fluoranthene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Chrysene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Dibenz(a,h)anthracene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Fluoranthene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Fluorene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Indeno(1,2,3-cd)pyrene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| 1-Methylnaphthalene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| 2-Methylnaphthalene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Naphthalene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Phenanthrene | ug/L | 0.030 | <0.030 | 0.030 | 4580844 |
| Pyrene | ug/L | <0.050 | <0.050 | 0.050 | 4580844 |
| Surrogate Recovery (%) | | | | | |
| D10-Anthracene | % | 101 | 100 | N/A | 4580844 |
| D14-Terphenyl (FS) | % | 89 | 84 | N/A | 4580844 |
| D8-Acenaphthylene | % | 95 | 110 | N/A | 4580844 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | | |

O.REG 153 VOCS & F1-F4 (WATER)

| Maxxam ID | | CSB178 | CSB179 | | |
|-------------------------------------|-------|---------------------|---------------------|------|----------|
| Sampling Date | | 2016/07/13 15:00 | 2016/07/13 15:30 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-MW2 | MWB | RDL | QC Batch |
| Calculated Parameters | | | | | |
| 1,3-Dichloropropene (cis+trans) | ug/L | <0.50 | <0.50 | 0.50 | 4578164 |
| Volatile Organics | | | | | |
| Acetone (2-Propanone) | ug/L | 21 | <10 | 10 | 4580630 |
| Benzene | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| Bromodichloromethane | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| Bromoform | ug/L | <1.0 | <1.0 | 1.0 | 4580630 |
| Bromomethane | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| Carbon Tetrachloride | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| Chlorobenzene | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| Chloroform | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| Dibromochloromethane | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| 1,2-Dichlorobenzene | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| 1,3-Dichlorobenzene | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| 1,4-Dichlorobenzene | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| Dichlorodifluoromethane (FREON 12) | ug/L | <1.0 | <1.0 | 1.0 | 4580630 |
| 1,1-Dichloroethane | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| 1,2-Dichloroethane | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| 1,1-Dichloroethylene | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| cis-1,2-Dichloroethylene | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| trans-1,2-Dichloroethylene | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| 1,2-Dichloropropane | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| cis-1,3-Dichloropropene | ug/L | <0.30 | <0.30 | 0.30 | 4580630 |
| trans-1,3-Dichloropropene | ug/L | <0.40 | <0.40 | 0.40 | 4580630 |
| Ethylbenzene | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| Ethylene Dibromide | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| Hexane | ug/L | <1.0 | <1.0 | 1.0 | 4580630 |
| Methylene Chloride(Dichloromethane) | ug/L | <2.0 | <2.0 | 2.0 | 4580630 |
| Methyl Ethyl Ketone (2-Butanone) | ug/L | <10 | <10 | 10 | 4580630 |
| Methyl Isobutyl Ketone | ug/L | <5.0 | <5.0 | 5.0 | 4580630 |
| Methyl t-butyl ether (MTBE) | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| Styrene | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| Tetrachloroethylene | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| Toluene | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| RDL = Reportable Detection Limit | | | | | |
| QC Batch = Quality Control Batch | | | | | |

O.REG 153 VOCS & F1-F4 (WATER)

| Maxxam ID | | CSB178 | CSB179 | | |
|--|-------|---------------------|---------------------|------|----------|
| Sampling Date | | 2016/07/13 15:00 | 2016/07/13 15:30 | | |
| COC Number | | 569052-02-01 | 569052-02-01 | | |
| | UNITS | XCG-MW2 | MWB | RDL | QC Batch |
| 1,1,1-Trichloroethane | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| 1,1,2-Trichloroethane | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| Trichloroethylene | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| Trichlorofluoromethane (FREON 11) | ug/L | <0.50 | <0.50 | 0.50 | 4580630 |
| Vinyl Chloride | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| p+m-Xylene | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| o-Xylene | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| Total Xylenes | ug/L | <0.20 | <0.20 | 0.20 | 4580630 |
| F1 (C6-C10) | ug/L | <25 | <25 | 25 | 4580630 |
| F1 (C6-C10) - BTEX | ug/L | <25 | <25 | 25 | 4580630 |
| F2-F4 Hydrocarbons | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/L | <100 | <100 | 100 | 4584740 |
| F3 (C16-C34 Hydrocarbons) | ug/L | <200 | <200 | 200 | 4584740 |
| F4 (C34-C50 Hydrocarbons) | ug/L | <200 | <200 | 200 | 4584740 |
| Reached Baseline at C50 | ug/L | Yes | Yes | N/A | 4584740 |
| Surrogate Recovery (%) | | | | | |
| o-Terphenyl | % | 101 | 101 | N/A | 4584740 |
| 4-Bromofluorobenzene | % | 90 | 91 | N/A | 4580630 |
| D4-1,2-Dichloroethane | % | 109 | 109 | N/A | 4580630 |
| D8-Toluene | % | 99 | 99 | N/A | 4580630 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | | |

TEST SUMMARY

Maxxam ID: CSB169
Sample ID: XCG-BH1-SS5
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|----------------------|
| Methylnaphthalene Sum | CALC | 4579228 | N/A | 2016/07/20 | Automated Statchk |
| Hot Water Extractable Boron | ICP | 4584238 | 2016/07/19 | 2016/07/19 | Suban Kanapathipplai |
| 1,3-Dichloropropene Sum | CALC | 4578831 | N/A | 2016/07/20 | Automated Statchk |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4581011 | 2016/07/15 | 2016/07/20 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4583195 | 2016/07/18 | 2016/07/19 | Zhiyue (Frank) Zhu |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4583168 | 2016/07/18 | 2016/07/19 | Viviana Canzonieri |
| Moisture | BAL | 4582027 | N/A | 2016/07/16 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4582576 | 2016/07/18 | 2016/07/18 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4583290 | N/A | 2016/07/19 | Denis Reid |

Maxxam ID: CSB169 Dup
Sample ID: XCG-BH1-SS5
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--------------------------------------|-----------------|---------|------------|---------------|----------------------|
| Hot Water Extractable Boron | ICP | 4584238 | 2016/07/19 | 2016/07/19 | Suban Kanapathipplai |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4582576 | 2016/07/18 | 2016/07/18 | Jett Wu |

Maxxam ID: CSB170
Sample ID: XCG-BH2-SS5
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|----------------------|
| Methylnaphthalene Sum | CALC | 4579228 | N/A | 2016/07/20 | Automated Statchk |
| Hot Water Extractable Boron | ICP | 4584238 | 2016/07/19 | 2016/07/19 | Suban Kanapathipplai |
| 1,3-Dichloropropene Sum | CALC | 4578831 | N/A | 2016/07/20 | Automated Statchk |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4581011 | 2016/07/15 | 2016/07/20 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4583195 | 2016/07/18 | 2016/07/19 | Zhiyue (Frank) Zhu |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4583168 | 2016/07/18 | 2016/07/19 | Viviana Canzonieri |
| Moisture | BAL | 4582027 | N/A | 2016/07/16 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4582576 | 2016/07/18 | 2016/07/18 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4583290 | N/A | 2016/07/19 | Denis Reid |

Maxxam ID: CSB170 Dup
Sample ID: XCG-BH2-SS5
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|-----------------------------------|-----------------|---------|------------|---------------|----------------|
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4581011 | 2016/07/15 | 2016/07/20 | Sally Coughlin |

Maxxam ID: CSB171
Sample ID: XCG-BH3-SS4
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|-----------------------|-----------------|---------|-----------|---------------|-------------------|
| Methylnaphthalene Sum | CALC | 4579228 | N/A | 2016/07/20 | Automated Statchk |

TEST SUMMARY

Maxxam ID: CSB171
Sample ID: XCG-BH3-SS4
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|----------------------|
| Hot Water Extractable Boron | ICP | 4584238 | 2016/07/19 | 2016/07/19 | Suban Kanapathipplai |
| 1,3-Dichloropropene Sum | CALC | 4578831 | N/A | 2016/07/20 | Automated Statchk |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4581011 | 2016/07/15 | 2016/07/20 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4583195 | 2016/07/18 | 2016/07/19 | Zhiyue (Frank) Zhu |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4583168 | 2016/07/18 | 2016/07/19 | Viviana Canzonieri |
| Moisture | BAL | 4582027 | N/A | 2016/07/16 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4585542 | 2016/07/19 | 2016/07/20 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4583290 | N/A | 2016/07/19 | Denis Reid |

Maxxam ID: CSB172
Sample ID: XCG-BH4-SS4
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|----------------------|
| Methylnaphthalene Sum | CALC | 4579228 | N/A | 2016/07/20 | Automated Statchk |
| Hot Water Extractable Boron | ICP | 4584238 | 2016/07/19 | 2016/07/19 | Suban Kanapathipplai |
| 1,3-Dichloropropene Sum | CALC | 4578831 | N/A | 2016/07/20 | Automated Statchk |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4581011 | 2016/07/15 | 2016/07/20 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4583195 | 2016/07/18 | 2016/07/19 | Zhiyue (Frank) Zhu |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4583168 | 2016/07/18 | 2016/07/19 | Viviana Canzonieri |
| Moisture | BAL | 4582027 | N/A | 2016/07/16 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4582576 | 2016/07/18 | 2016/07/18 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4583290 | N/A | 2016/07/19 | Denis Reid |

Maxxam ID: CSB172 Dup
Sample ID: XCG-BH4-SS4
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---------------------------------------|-----------------|---------|------------|---------------|--------------------|
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4583168 | 2016/07/18 | 2016/07/19 | Viviana Canzonieri |

Maxxam ID: CSB173
Sample ID: XCG-BH5-SS4
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|----------------------|
| Methylnaphthalene Sum | CALC | 4579228 | N/A | 2016/07/20 | Automated Statchk |
| Hot Water Extractable Boron | ICP | 4584238 | 2016/07/19 | 2016/07/19 | Suban Kanapathipplai |
| 1,3-Dichloropropene Sum | CALC | 4578831 | N/A | 2016/07/20 | Automated Statchk |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4581011 | 2016/07/15 | 2016/07/20 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4583195 | 2016/07/18 | 2016/07/19 | Zhiyue (Frank) Zhu |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4583168 | 2016/07/18 | 2016/07/19 | Viviana Canzonieri |
| Moisture | BAL | 4582027 | N/A | 2016/07/16 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4582576 | 2016/07/18 | 2016/07/18 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4583290 | N/A | 2016/07/19 | Denis Reid |

TEST SUMMARY

Maxxam ID: CSB174
Sample ID: XCG-BH6-SS4
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|----------------------|
| Methylnaphthalene Sum | CALC | 4579228 | N/A | 2016/07/20 | Automated Statchk |
| Hot Water Extractable Boron | ICP | 4584238 | 2016/07/19 | 2016/07/19 | Suban Kanapathipplai |
| 1,3-Dichloropropene Sum | CALC | 4578831 | N/A | 2016/07/20 | Automated Statchk |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4581011 | 2016/07/15 | 2016/07/20 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4583195 | 2016/07/18 | 2016/07/19 | Zhiyue (Frank) Zhu |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4583168 | 2016/07/18 | 2016/07/19 | Viviana Canzonieri |
| Moisture | BAL | 4582027 | N/A | 2016/07/16 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4582576 | 2016/07/18 | 2016/07/18 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4583290 | N/A | 2016/07/19 | Denis Reid |

Maxxam ID: CSB175
Sample ID: TM-100
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4579228 | N/A | 2016/07/20 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4578831 | N/A | 2016/07/20 | Automated Statchk |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 4583195 | 2016/07/18 | 2016/07/19 | Zhiyue (Frank) Zhu |
| Moisture | BAL | 4582781 | N/A | 2016/07/18 | Valentina Kaftani |
| PAH Compounds in Soil by GC/MS (SIM) | GC/MS | 4582576 | 2016/07/18 | 2016/07/18 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4583290 | N/A | 2016/07/19 | Denis Reid |

Maxxam ID: CSB175 Dup
Sample ID: TM-100
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|-----------|---------------|------------|
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4583290 | N/A | 2016/07/19 | Denis Reid |

Maxxam ID: CSB176
Sample ID: TM-200
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---------------------------------------|-----------------|---------|------------|---------------|----------------------|
| Hot Water Extractable Boron | ICP | 4584238 | 2016/07/19 | 2016/07/19 | Suban Kanapathipplai |
| Hexavalent Chromium in Soil by IC | IC/SPEC | 4581011 | 2016/07/15 | 2016/07/20 | Sally Coughlin |
| Strong Acid Leachable Metals by ICPMS | ICP/MS | 4583168 | 2016/07/18 | 2016/07/19 | Viviana Canzonieri |
| Moisture | BAL | 4582027 | N/A | 2016/07/16 | Valentina Kaftani |

Maxxam ID: CSB177
Sample ID: TCLP
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|------------------------------|-----------------|---------|------------|---------------|----------------|
| Cyanide (WAD) in Leachates | SKAL/CN | 4584703 | N/A | 2016/07/19 | Christine Pham |
| Fluoride by ISE in Leachates | ISE | 4584696 | 2016/07/19 | 2016/07/19 | Surinder Rai |

TEST SUMMARY

Maxxam ID: CSB177
Sample ID: TCLP
Matrix: Soil

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|------------------|
| Mercury (TCLP Leachable) (mg/L) | CV/AA | 4584410 | N/A | 2016/07/20 | Magdalena Carlos |
| Total Metals in TCLP Leachate by ICPMS | ICP1/MS | 4584671 | 2016/07/19 | 2016/07/19 | Cristina Petran |
| TCLP - % Solids | BAL | 4584265 | 2016/07/18 | 2016/07/19 | Jian (Ken) Wang |
| TCLP - Extraction Fluid | | 4584269 | N/A | 2016/07/19 | Jian (Ken) Wang |
| TCLP - Initial and final pH | PH | 4584271 | N/A | 2016/07/19 | Jian (Ken) Wang |
| TCLP Zero Headspace Extraction | | 4579985 | 2016/07/14 | 2016/07/16 | Walt Wang |
| VOCs in ZHE Leachates | GC/MS | 4582505 | 2016/07/18 | 2016/07/19 | Juan Pangilinan |

Maxxam ID: CSB178
Sample ID: XCG-MW2
Matrix: Water

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4578062 | N/A | 2016/07/18 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4578164 | N/A | 2016/07/19 | Automated Statchk |
| Chromium (VI) in Water | IC | 4580975 | N/A | 2016/07/18 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Water | GC/FID | 4584740 | 2016/07/19 | 2016/07/20 | Zhiyue (Frank) Zhu |
| Mercury | CV/AA | 4583914 | 2016/07/19 | 2016/07/20 | Magdalena Carlos |
| Dissolved Metals by ICPMS | ICP/MS | 4580359 | N/A | 2016/07/15 | John Bowman |
| PAH Compounds in Water by GC/MS (SIM) | GC/MS | 4580844 | 2016/07/15 | 2016/07/16 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4580630 | N/A | 2016/07/19 | John Wu |

Maxxam ID: CSB179
Sample ID: MWB
Matrix: Water

Collected: 2016/07/13
Shipped:
Received: 2016/07/14

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------|
| Methylnaphthalene Sum | CALC | 4578062 | N/A | 2016/07/18 | Automated Statchk |
| 1,3-Dichloropropene Sum | CALC | 4578164 | N/A | 2016/07/19 | Automated Statchk |
| Chromium (VI) in Water | IC | 4580975 | N/A | 2016/07/18 | Sally Coughlin |
| Petroleum Hydrocarbons F2-F4 in Water | GC/FID | 4584740 | 2016/07/19 | 2016/07/20 | Zhiyue (Frank) Zhu |
| Mercury | CV/AA | 4580076 | 2016/07/18 | 2016/07/18 | Magdalena Carlos |
| Dissolved Metals by ICPMS | ICP/MS | 4580359 | N/A | 2016/07/15 | John Bowman |
| PAH Compounds in Water by GC/MS (SIM) | GC/MS | 4580844 | 2016/07/15 | 2016/07/16 | Jett Wu |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 4580630 | N/A | 2016/07/19 | John Wu |

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

| | |
|-----------|-------|
| Package 1 | 2.0°C |
| Package 2 | 0.3°C |

Cooler custody seal was present and intact.

Sample CSB169-01 : VOC/F1 Analysis: Greater than 10g of soil was submitted in the field preserved vial. This significantly exceeds the protocol specification of approximately 5g. Additional methanol was added to the vial to ensure extraction efficiency.

Sample CSB170-01 : VOC/F1 Analysis: Greater than 10g of soil was submitted in the field preserved vial. This significantly exceeds the protocol specification of approximately 5g. Additional methanol was added to the vial to ensure extraction efficiency.

Sample CSB173-01 : VOC/F1 Analysis: Greater than 10g of soil was submitted in the field preserved vial. This significantly exceeds the protocol specification of approximately 5g. Additional methanol was added to the vial to ensure extraction efficiency.

Sample CSB174-01 : VOC/F1 Analysis: Greater than 10g of soil was submitted in the field preserved vial. This significantly exceeds the protocol specification of approximately 5g. Additional methanol was added to the vial to ensure extraction efficiency.

Results relate only to the items tested.

QUALITY ASSURANCE REPORT

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | Leachate Blank | |
|----------|---------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|----------------|-------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | Value | UNITS |
| 4580630 | 4-Bromofluorobenzene | 2016/07/18 | 97 | 70 - 130 | 97 | 70 - 130 | 92 | % | | | | |
| 4580630 | D4-1,2-Dichloroethane | 2016/07/18 | 110 | 70 - 130 | 109 | 70 - 130 | 111 | % | | | | |
| 4580630 | D8-Toluene | 2016/07/18 | 103 | 70 - 130 | 105 | 70 - 130 | 97 | % | | | | |
| 4580844 | D10-Anthracene | 2016/07/15 | 99 | 50 - 130 | 97 | 50 - 130 | 97 | % | | | | |
| 4580844 | D14-Terphenyl (FS) | 2016/07/15 | 85 | 50 - 130 | 92 | 50 - 130 | 92 | % | | | | |
| 4580844 | D8-Acenaphthylene | 2016/07/15 | 109 | 50 - 130 | 102 | 50 - 130 | 103 | % | | | | |
| 4582505 | Leachable 4-Bromofluorobenzene | 2016/07/19 | 102 | 70 - 130 | 102 | 70 - 130 | 98 | % | | | | |
| 4582505 | Leachable D4-1,2-Dichloroethane | 2016/07/19 | 94 | 70 - 130 | 96 | 70 - 130 | 98 | % | | | | |
| 4582505 | Leachable D8-Toluene | 2016/07/19 | 101 | 70 - 130 | 101 | 70 - 130 | 96 | % | | | | |
| 4582576 | D10-Anthracene | 2016/07/18 | 98 (5) | 50 - 130 | 97 | 50 - 130 | 95 | % | | | | |
| 4582576 | D14-Terphenyl (FS) | 2016/07/18 | 94 (5) | 50 - 130 | 91 | 50 - 130 | 90 | % | | | | |
| 4582576 | D8-Acenaphthylene | 2016/07/18 | 105 (5) | 50 - 130 | 103 | 50 - 130 | 100 | % | | | | |
| 4583195 | o-Terphenyl | 2016/07/19 | 105 | 60 - 130 | 88 | 60 - 130 | 104 | % | | | | |
| 4583290 | 4-Bromofluorobenzene | 2016/07/19 | 96 (9) | 60 - 140 | 97 | 60 - 140 | 91 | % | | | | |
| 4583290 | D10-o-Xylene | 2016/07/19 | 88 (9) | 60 - 130 | 97 | 60 - 130 | 86 | % | | | | |
| 4583290 | D4-1,2-Dichloroethane | 2016/07/19 | 105 (9) | 60 - 140 | 105 | 60 - 140 | 107 | % | | | | |
| 4583290 | D8-Toluene | 2016/07/19 | 106 (9) | 60 - 140 | 105 | 60 - 140 | 98 | % | | | | |
| 4584740 | o-Terphenyl | 2016/07/19 | 103 | 60 - 130 | 104 | 60 - 130 | 102 | % | | | | |
| 4585542 | D10-Anthracene | 2016/07/20 | 96 | 50 - 130 | 98 | 50 - 130 | 89 | % | | | | |
| 4585542 | D14-Terphenyl (FS) | 2016/07/20 | 101 | 50 - 130 | 103 | 50 - 130 | 92 | % | | | | |
| 4585542 | D8-Acenaphthylene | 2016/07/20 | 85 | 50 - 130 | 84 | 50 - 130 | 77 | % | | | | |
| 4580076 | Mercury (Hg) | 2016/07/18 | 110 | 75 - 125 | 110 | 80 - 120 | <0.1 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Antimony (Sb) | 2016/07/15 | 101 | 80 - 120 | 102 | 80 - 120 | <0.50 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Arsenic (As) | 2016/07/15 | 99 | 80 - 120 | 100 | 80 - 120 | <1.0 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Barium (Ba) | 2016/07/15 | 102 | 80 - 120 | 99 | 80 - 120 | <2.0 | ug/L | 7.9 (1) | 20 | | |
| 4580359 | Dissolved Beryllium (Be) | 2016/07/15 | 102 | 80 - 120 | 101 | 80 - 120 | <0.50 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Boron (B) | 2016/07/15 | 101 | 80 - 120 | 99 | 80 - 120 | <10 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Cadmium (Cd) | 2016/07/15 | 101 | 80 - 120 | 101 | 80 - 120 | <0.10 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Chromium (Cr) | 2016/07/15 | 99 | 80 - 120 | 98 | 80 - 120 | <5.0 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Cobalt (Co) | 2016/07/15 | 99 | 80 - 120 | 97 | 80 - 120 | <0.50 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Copper (Cu) | 2016/07/15 | 101 | 80 - 120 | 99 | 80 - 120 | <1.0 | ug/L | NC (1) | 20 | | |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | Leachate Blank | |
|----------|---------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|----------------|-------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | Value | UNITS |
| 4580359 | Dissolved Lead (Pb) | 2016/07/15 | 97 | 80 - 120 | 97 | 80 - 120 | <0.50 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Molybdenum (Mo) | 2016/07/15 | 102 | 80 - 120 | 102 | 80 - 120 | <0.50 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Nickel (Ni) | 2016/07/15 | 98 | 80 - 120 | 97 | 80 - 120 | <1.0 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Selenium (Se) | 2016/07/15 | 101 | 80 - 120 | 100 | 80 - 120 | <2.0 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Silver (Ag) | 2016/07/15 | 99 | 80 - 120 | 96 | 80 - 120 | <0.10 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Sodium (Na) | 2016/07/15 | 100 | 80 - 120 | 99 | 80 - 120 | <100 | ug/L | 1.3 (1) | 20 | | |
| 4580359 | Dissolved Thallium (Tl) | 2016/07/15 | 96 | 80 - 120 | 96 | 80 - 120 | <0.050 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Uranium (U) | 2016/07/15 | 98 | 80 - 120 | 98 | 80 - 120 | <0.10 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Vanadium (V) | 2016/07/15 | 99 | 80 - 120 | 97 | 80 - 120 | <0.50 | ug/L | NC (1) | 20 | | |
| 4580359 | Dissolved Zinc (Zn) | 2016/07/15 | 99 | 80 - 120 | 98 | 80 - 120 | <5.0 | ug/L | NC (1) | 20 | | |
| 4580630 | 1,1,1,2-Tetrachloroethane | 2016/07/19 | 96 | 70 - 130 | 94 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,1,1-Trichloroethane | 2016/07/19 | 89 | 70 - 130 | 89 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,1,2,2-Tetrachloroethane | 2016/07/19 | 93 | 70 - 130 | 104 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,1,2-Trichloroethane | 2016/07/19 | 101 | 70 - 130 | 99 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,1-Dichloroethane | 2016/07/19 | 95 | 70 - 130 | 93 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,1-Dichloroethylene | 2016/07/19 | 93 | 70 - 130 | 92 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,2-Dichlorobenzene | 2016/07/19 | 95 | 70 - 130 | 92 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,2-Dichloroethane | 2016/07/19 | 97 | 70 - 130 | 94 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,2-Dichloropropane | 2016/07/19 | 92 | 70 - 130 | 90 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,3-Dichlorobenzene | 2016/07/19 | 91 | 70 - 130 | 88 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | 1,4-Dichlorobenzene | 2016/07/19 | 91 | 70 - 130 | 87 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | Acetone (2-Propanone) | 2016/07/19 | 104 | 60 - 140 | 100 | 60 - 140 | <10 | ug/L | NC (1) | 30 | | |
| 4580630 | Benzene | 2016/07/19 | 91 | 70 - 130 | 90 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | Bromodichloromethane | 2016/07/19 | 95 | 70 - 130 | 93 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | Bromoform | 2016/07/19 | 96 | 70 - 130 | 93 | 70 - 130 | <1.0 | ug/L | NC (1) | 30 | | |
| 4580630 | Bromomethane | 2016/07/19 | 88 | 60 - 140 | 88 | 60 - 140 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | Carbon Tetrachloride | 2016/07/19 | 92 | 70 - 130 | 91 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | Chlorobenzene | 2016/07/19 | 92 | 70 - 130 | 89 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | Chloroform | 2016/07/19 | 95 | 70 - 130 | 94 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | cis-1,2-Dichloroethylene | 2016/07/19 | 96 | 70 - 130 | 94 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | cis-1,3-Dichloropropene | 2016/07/19 | 90 | 70 - 130 | 91 | 70 - 130 | <0.30 | ug/L | NC (1) | 30 | | |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | Leachate Blank | |
|----------|-------------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|----------------|-------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | Value | UNITS |
| 4580630 | Dibromochloromethane | 2016/07/19 | 98 | 70 - 130 | 95 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | Dichlorodifluoromethane (FREON 12) | 2016/07/19 | 77 | 60 - 140 | 80 | 60 - 140 | <1.0 | ug/L | NC (1) | 30 | | |
| 4580630 | Ethylbenzene | 2016/07/19 | 84 | 70 - 130 | 82 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | Ethylene Dibromide | 2016/07/19 | 97 | 70 - 130 | 93 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | F1 (C6-C10) - BTEX | 2016/07/19 | | | | | <25 | ug/L | NC (1) | 30 | | |
| 4580630 | F1 (C6-C10) | 2016/07/19 | 97 | 60 - 140 | 88 | 60 - 140 | <25 | ug/L | NC (1) | 30 | | |
| 4580630 | Hexane | 2016/07/19 | 87 | 70 - 130 | 87 | 70 - 130 | <1.0 | ug/L | NC (1) | 30 | | |
| 4580630 | Methyl Ethyl Ketone (2-Butanone) | 2016/07/19 | 94 | 60 - 140 | 90 | 60 - 140 | <10 | ug/L | NC (1) | 30 | | |
| 4580630 | Methyl Isobutyl Ketone | 2016/07/19 | 92 | 70 - 130 | 88 | 70 - 130 | <5.0 | ug/L | NC (1) | 30 | | |
| 4580630 | Methyl t-butyl ether (MTBE) | 2016/07/19 | 85 | 70 - 130 | 83 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | Methylene Chloride(Dichloromethane) | 2016/07/19 | 102 | 70 - 130 | 100 | 70 - 130 | <2.0 | ug/L | NC (1) | 30 | | |
| 4580630 | o-Xylene | 2016/07/19 | 85 | 70 - 130 | 83 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | p+m-Xylene | 2016/07/19 | 78 | 70 - 130 | 75 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | Styrene | 2016/07/19 | 81 | 70 - 130 | 80 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | Tetrachloroethylene | 2016/07/19 | 96 | 70 - 130 | 93 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | Toluene | 2016/07/19 | 88 | 70 - 130 | 85 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | Total Xylenes | 2016/07/19 | | | | | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | trans-1,2-Dichloroethylene | 2016/07/19 | 91 | 70 - 130 | 90 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | trans-1,3-Dichloropropene | 2016/07/19 | 98 | 70 - 130 | 96 | 70 - 130 | <0.40 | ug/L | NC (1) | 30 | | |
| 4580630 | Trichloroethylene | 2016/07/19 | 108 | 70 - 130 | 88 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580630 | Trichlorofluoromethane (FREON 11) | 2016/07/19 | 95 | 70 - 130 | 95 | 70 - 130 | <0.50 | ug/L | NC (1) | 30 | | |
| 4580630 | Vinyl Chloride | 2016/07/19 | 91 | 70 - 130 | 91 | 70 - 130 | <0.20 | ug/L | NC (1) | 30 | | |
| 4580844 | 1-Methylnaphthalene | 2016/07/15 | 102 | 50 - 130 | 100 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | 2-Methylnaphthalene | 2016/07/15 | 101 | 50 - 130 | 99 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Acenaphthene | 2016/07/15 | 103 | 50 - 130 | 103 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Acenaphthylene | 2016/07/15 | 107 | 50 - 130 | 103 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Anthracene | 2016/07/15 | 85 | 50 - 130 | 90 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Benzo(a)anthracene | 2016/07/15 | 72 | 50 - 130 | 96 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Benzo(a)pyrene | 2016/07/15 | 66 | 50 - 130 | 94 | 50 - 130 | <0.010 | ug/L | NC (1) | 30 | | |
| 4580844 | Benzo(b,j)fluoranthene | 2016/07/15 | 72 | 50 - 130 | 107 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Benzo(g,h,i)perylene | 2016/07/15 | 58 | 50 - 130 | 81 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | Leachate Blank | |
|----------|---|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|----------------|-------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | Value | UNITS |
| 4580844 | Benzo(k)fluoranthene | 2016/07/15 | 73 | 50 - 130 | 104 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Chrysene | 2016/07/15 | 71 | 50 - 130 | 98 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Dibenz(a,h)anthracene | 2016/07/15 | 62 | 50 - 130 | 86 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Fluoranthene | 2016/07/15 | 99 | 50 - 130 | 110 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Fluorene | 2016/07/15 | 104 | 50 - 130 | 105 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Indeno(1,2,3-cd)pyrene | 2016/07/15 | 64 | 50 - 130 | 90 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Naphthalene | 2016/07/15 | 98 | 50 - 130 | 96 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580844 | Phenanthrene | 2016/07/15 | 102 | 50 - 130 | 103 | 50 - 130 | <0.030 | ug/L | NC (1) | 30 | | |
| 4580844 | Pyrene | 2016/07/15 | 91 | 50 - 130 | 105 | 50 - 130 | <0.050 | ug/L | NC (1) | 30 | | |
| 4580975 | Chromium (VI) | 2016/07/18 | 97 | 80 - 120 | 99 | 80 - 120 | <0.50 | ug/L | NC (1) | 20 | | |
| 4581011 | Chromium (VI) | 2016/07/20 | 48 (2,3) | 75 - 125 | 90 | 80 - 120 | <0.2 | ug/g | NC (4) | 35 | | |
| 4582027 | Moisture | 2016/07/16 | | | | | | | 0.58 (1) | 20 | | |
| 4582505 | Leachable 1,1-Dichloroethylene | 2016/07/19 | 98 | 70 - 130 | 100 | 70 - 130 | <0.020 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable 1,2-Dichlorobenzene | 2016/07/19 | 99 | 70 - 130 | 98 | 70 - 130 | <0.050 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable 1,2-Dichloroethane | 2016/07/19 | 89 | 70 - 130 | 92 | 70 - 130 | <0.050 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable 1,4-Dichlorobenzene | 2016/07/19 | 107 | 70 - 130 | 106 | 70 - 130 | <0.050 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable Benzene | 2016/07/19 | 93 | 70 - 130 | 95 | 70 - 130 | <0.020 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable Carbon Tetrachloride | 2016/07/19 | 102 | 70 - 130 | 105 | 70 - 130 | <0.020 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable Chlorobenzene | 2016/07/19 | 101 | 70 - 130 | 100 | 70 - 130 | <0.020 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable Chloroform | 2016/07/19 | 95 | 70 - 130 | 97 | 70 - 130 | <0.020 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable Methyl Ethyl Ketone (2-Butanone) | 2016/07/19 | 83 | 60 - 140 | 84 | 60 - 140 | <1.0 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable Methylene Chloride(Dichloromethane) | 2016/07/19 | 91 | 70 - 130 | 94 | 70 - 130 | <0.20 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable Tetrachloroethylene | 2016/07/19 | 101 | 70 - 130 | 103 | 70 - 130 | <0.020 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable Trichloroethylene | 2016/07/19 | 97 | 70 - 130 | 99 | 70 - 130 | <0.020 | mg/L | NC (1) | 30 | | |
| 4582505 | Leachable Vinyl Chloride | 2016/07/19 | 98 | 70 - 130 | 102 | 70 - 130 | <0.020 | mg/L | NC (1) | 30 | | |
| 4582576 | 1-Methylnaphthalene | 2016/07/18 | 93 (5) | 50 - 130 | 96 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | 2-Methylnaphthalene | 2016/07/18 | 91 (5) | 50 - 130 | 92 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Acenaphthene | 2016/07/18 | 95 (5) | 50 - 130 | 98 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Acenaphthylene | 2016/07/18 | 102 (5) | 50 - 130 | 102 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Anthracene | 2016/07/18 | 90 (5) | 50 - 130 | 88 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | Leachate Blank | |
|----------|----------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|----------------|-------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | Value | UNITS |
| 4582576 | Benzo(a)anthracene | 2016/07/18 | 102 (5) | 50 - 130 | 103 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Benzo(a)pyrene | 2016/07/18 | 106 (5) | 50 - 130 | 102 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Benzo(b,j)fluoranthene | 2016/07/18 | 104 (5) | 50 - 130 | 104 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Benzo(g,h,i)perylene | 2016/07/18 | 83 (5) | 50 - 130 | 88 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Benzo(k)fluoranthene | 2016/07/18 | 103 (5) | 50 - 130 | 103 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Chrysene | 2016/07/18 | 119 (5) | 50 - 130 | 97 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Dibenz(a,h)anthracene | 2016/07/18 | 86 (5) | 50 - 130 | 89 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Fluoranthene | 2016/07/18 | 116 (5) | 50 - 130 | 105 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Fluorene | 2016/07/18 | 99 (5) | 50 - 130 | 97 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Indeno(1,2,3-cd)pyrene | 2016/07/18 | 102 (5) | 50 - 130 | 105 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Naphthalene | 2016/07/18 | 83 (5) | 50 - 130 | 88 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Phenanthrene | 2016/07/18 | 98 (5) | 50 - 130 | 96 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582576 | Pyrene | 2016/07/18 | 117 (5) | 50 - 130 | 105 | 50 - 130 | <0.0050 | ug/g | NC (6) | 40 | | |
| 4582781 | Moisture | 2016/07/18 | | | | | | | 5.6 (1) | 20 | | |
| 4583168 | Acid Extractable Antimony (Sb) | 2016/07/19 | 103 (7) | 75 - 125 | 101 | 80 - 120 | <0.20 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Arsenic (As) | 2016/07/19 | 101 (7) | 75 - 125 | 101 | 80 - 120 | <1.0 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Barium (Ba) | 2016/07/19 | NC (7) | 75 - 125 | 102 | 80 - 120 | <0.50 | ug/g | 4.0 (8) | 30 | | |
| 4583168 | Acid Extractable Beryllium (Be) | 2016/07/19 | 97 (7) | 75 - 125 | 94 | 80 - 120 | <0.20 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Boron (B) | 2016/07/19 | 95 (7) | 75 - 125 | 92 | 80 - 120 | <5.0 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Cadmium (Cd) | 2016/07/19 | 103 (7) | 75 - 125 | 101 | 80 - 120 | <0.10 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Chromium (Cr) | 2016/07/19 | 106 (7) | 75 - 125 | 102 | 80 - 120 | <1.0 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Cobalt (Co) | 2016/07/19 | 98 (7) | 75 - 125 | 99 | 80 - 120 | <0.10 | ug/g | 2.6 (8) | 30 | | |
| 4583168 | Acid Extractable Copper (Cu) | 2016/07/19 | 105 (7) | 75 - 125 | 106 | 80 - 120 | <0.50 | ug/g | 3.2 (8) | 30 | | |
| 4583168 | Acid Extractable Lead (Pb) | 2016/07/19 | NC (7) | 75 - 125 | 101 | 80 - 120 | <1.0 | ug/g | 1.1 (8) | 30 | | |
| 4583168 | Acid Extractable Mercury (Hg) | 2016/07/19 | 98 (7) | 75 - 125 | 102 | 80 - 120 | <0.050 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Molybdenum (Mo) | 2016/07/19 | 103 (7) | 75 - 125 | 103 | 80 - 120 | <0.50 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Nickel (Ni) | 2016/07/19 | 97 (7) | 75 - 125 | 101 | 80 - 120 | <0.50 | ug/g | 1.9 (8) | 30 | | |
| 4583168 | Acid Extractable Selenium (Se) | 2016/07/19 | 102 (7) | 75 - 125 | 99 | 80 - 120 | <0.50 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Silver (Ag) | 2016/07/19 | 102 (7) | 75 - 125 | 102 | 80 - 120 | <0.20 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Thallium (Tl) | 2016/07/19 | 100 (7) | 75 - 125 | 101 | 80 - 120 | <0.050 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Uranium (U) | 2016/07/19 | 100 (7) | 75 - 125 | 101 | 80 - 120 | <0.050 | ug/g | 5.8 (8) | 30 | | |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | Leachate Blank | |
|----------|------------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|----------------|-------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | Value | UNITS |
| 4583168 | Acid Extractable Vanadium (V) | 2016/07/19 | 109 (7) | 75 - 125 | 99 | 80 - 120 | <5.0 | ug/g | NC (8) | 30 | | |
| 4583168 | Acid Extractable Zinc (Zn) | 2016/07/19 | NC (7) | 75 - 125 | 99 | 80 - 120 | <5.0 | ug/g | 13 (8) | 30 | | |
| 4583195 | F2 (C10-C16 Hydrocarbons) | 2016/07/19 | 108 | 50 - 130 | 87 | 80 - 120 | <10 | ug/g | NC (1) | 30 | | |
| 4583195 | F3 (C16-C34 Hydrocarbons) | 2016/07/19 | 109 | 50 - 130 | 89 | 80 - 120 | <50 | ug/g | NC (1) | 30 | | |
| 4583195 | F4 (C34-C50 Hydrocarbons) | 2016/07/19 | 113 | 50 - 130 | 91 | 80 - 120 | <50 | ug/g | NC (1) | 30 | | |
| 4583290 | 1,1,1,2-Tetrachloroethane | 2016/07/19 | 100 (9) | 60 - 140 | 100 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,1,1-Trichloroethane | 2016/07/19 | 101 (9) | 60 - 140 | 100 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,1,2,2-Tetrachloroethane | 2016/07/19 | 103 (9) | 60 - 140 | 104 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,1,2-Trichloroethane | 2016/07/19 | 106 (9) | 60 - 140 | 106 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,1-Dichloroethane | 2016/07/19 | 105 (9) | 60 - 140 | 104 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,1-Dichloroethylene | 2016/07/19 | 112 (9) | 60 - 140 | 110 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,2-Dichlorobenzene | 2016/07/19 | 100 (9) | 60 - 140 | 98 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,2-Dichloroethane | 2016/07/19 | 103 (9) | 60 - 140 | 103 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,2-Dichloropropane | 2016/07/19 | 104 (9) | 60 - 140 | 103 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,3-Dichlorobenzene | 2016/07/19 | 98 (9) | 60 - 140 | 96 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | 1,4-Dichlorobenzene | 2016/07/19 | 98 (9) | 60 - 140 | 95 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Acetone (2-Propanone) | 2016/07/19 | 108 (9) | 60 - 140 | 109 | 60 - 140 | <0.50 | ug/g | NC (10) | 50 | | |
| 4583290 | Benzene | 2016/07/19 | 103 (9) | 60 - 140 | 101 | 60 - 130 | <0.020 | ug/g | NC (10) | 50 | | |
| 4583290 | Bromodichloromethane | 2016/07/19 | 102 (9) | 60 - 140 | 102 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Bromoform | 2016/07/19 | 97 (9) | 60 - 140 | 98 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Bromomethane | 2016/07/19 | 100 (9) | 60 - 140 | 97 | 60 - 140 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Carbon Tetrachloride | 2016/07/19 | 104 (9) | 60 - 140 | 103 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Chlorobenzene | 2016/07/19 | 102 (9) | 60 - 140 | 102 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Chloroform | 2016/07/19 | 104 (9) | 60 - 140 | 103 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | cis-1,2-Dichloroethylene | 2016/07/19 | 103 (9) | 60 - 140 | 103 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | cis-1,3-Dichloropropene | 2016/07/19 | 100 (9) | 60 - 140 | 99 | 60 - 130 | <0.030 | ug/g | NC (10) | 50 | | |
| 4583290 | Dibromochloromethane | 2016/07/19 | 101 (9) | 60 - 140 | 102 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Dichlorodifluoromethane (FREON 12) | 2016/07/19 | 122 (9) | 60 - 140 | 121 | 60 - 140 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Ethylbenzene | 2016/07/19 | 98 (9) | 60 - 140 | 96 | 60 - 130 | <0.020 | ug/g | NC (10) | 50 | | |
| 4583290 | Ethylene Dibromide | 2016/07/19 | 103 (9) | 60 - 140 | 104 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | F1 (C6-C10) - BTEX | 2016/07/19 | | | | | <10 | ug/g | NC (10) | 30 | | |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | Leachate Blank | |
|----------|-------------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|----------------|-------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | Value | UNITS |
| 4583290 | F1 (C6-C10) | 2016/07/19 | 99 (9) | 60 - 140 | 100 | 80 - 120 | <10 | ug/g | NC (10) | 30 | | |
| 4583290 | Hexane | 2016/07/19 | 108 (9) | 60 - 140 | 105 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Methyl Ethyl Ketone (2-Butanone) | 2016/07/19 | 103 (9) | 60 - 140 | 103 | 60 - 140 | <0.50 | ug/g | NC (10) | 50 | | |
| 4583290 | Methyl Isobutyl Ketone | 2016/07/19 | 100 (9) | 60 - 140 | 101 | 60 - 130 | <0.50 | ug/g | NC (10) | 50 | | |
| 4583290 | Methyl t-butyl ether (MTBE) | 2016/07/19 | 103 (9) | 60 - 140 | 101 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Methylene Chloride(Dichloromethane) | 2016/07/19 | 100 (9) | 60 - 140 | 99 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | o-Xylene | 2016/07/19 | 100 (9) | 60 - 140 | 98 | 60 - 130 | <0.020 | ug/g | NC (10) | 50 | | |
| 4583290 | p+m-Xylene | 2016/07/19 | 94 (9) | 60 - 140 | 92 | 60 - 130 | <0.020 | ug/g | NC (10) | 50 | | |
| 4583290 | Styrene | 2016/07/19 | 97 (9) | 60 - 140 | 96 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Tetrachloroethylene | 2016/07/19 | 101 (9) | 60 - 140 | 100 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Toluene | 2016/07/19 | 99 (9) | 60 - 140 | 97 | 60 - 130 | <0.020 | ug/g | NC (10) | 50 | | |
| 4583290 | Total Xylenes | 2016/07/19 | | | | | <0.020 | ug/g | NC (10) | 50 | | |
| 4583290 | trans-1,2-Dichloroethylene | 2016/07/19 | 102 (9) | 60 - 140 | 101 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | trans-1,3-Dichloropropene | 2016/07/19 | 106 (9) | 60 - 140 | 102 | 60 - 130 | <0.040 | ug/g | NC (10) | 50 | | |
| 4583290 | Trichloroethylene | 2016/07/19 | 98 (9) | 60 - 140 | 98 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Trichlorofluoromethane (FREON 11) | 2016/07/19 | 111 (9) | 60 - 140 | 109 | 60 - 130 | <0.050 | ug/g | NC (10) | 50 | | |
| 4583290 | Vinyl Chloride | 2016/07/19 | 117 (9) | 60 - 140 | 115 | 60 - 130 | <0.020 | ug/g | NC (10) | 50 | | |
| 4583914 | Mercury (Hg) | 2016/07/20 | 104 | 75 - 125 | 97 | 80 - 120 | <0.1 | ug/L | NC (1) | 20 | | |
| 4584238 | Hot Water Ext. Boron (B) | 2016/07/19 | 98 (11) | 75 - 125 | 98 | 75 - 125 | <0.050 | ug/g | NC (12) | 40 | | |
| 4584410 | Leachable Mercury (Hg) | 2016/07/20 | 106 | 75 - 125 | 101 | 80 - 120 | <0.0010 | mg/L | NC (1) | 25 | <0.0010 | mg/L |
| 4584671 | Leachable Arsenic (As) | 2016/07/19 | 98 | 80 - 120 | 96 | 80 - 120 | <0.2 | mg/L | NC (1) | 35 | <0.2 | mg/L |
| 4584671 | Leachable Barium (Ba) | 2016/07/19 | NC | 80 - 120 | 99 | 80 - 120 | <0.2 | mg/L | NC (1) | 35 | <0.2 | mg/L |
| 4584671 | Leachable Boron (B) | 2016/07/19 | 104 | 80 - 120 | 122 (13) | 80 - 120 | 0.1, RDL=0.1 | mg/L | NC (1) | 35 | <0.1 | mg/L |
| 4584671 | Leachable Cadmium (Cd) | 2016/07/19 | 98 | 80 - 120 | 94 | 80 - 120 | <0.05 | mg/L | NC (1) | 35 | <0.05 | mg/L |
| 4584671 | Leachable Chromium (Cr) | 2016/07/19 | 96 | 80 - 120 | 94 | 80 - 120 | <0.1 | mg/L | NC (1) | 35 | <0.1 | mg/L |
| 4584671 | Leachable Lead (Pb) | 2016/07/19 | 96 | 80 - 120 | 98 | 80 - 120 | <0.1 | mg/L | NC (1) | 35 | <0.1 | mg/L |
| 4584671 | Leachable Selenium (Se) | 2016/07/19 | 102 | 80 - 120 | 101 | 80 - 120 | <0.1 | mg/L | NC (1) | 35 | <0.1 | mg/L |
| 4584671 | Leachable Silver (Ag) | 2016/07/19 | 96 | 80 - 120 | 96 | 80 - 120 | <0.01 | mg/L | NC (1) | 35 | <0.01 | mg/L |
| 4584671 | Leachable Uranium (U) | 2016/07/19 | 95 | 80 - 120 | 94 | 80 - 120 | <0.01 | mg/L | NC (1) | 35 | <0.01 | mg/L |
| 4584696 | Leachable Fluoride (F-) | 2016/07/19 | 80 | 80 - 120 | 100 | 80 - 120 | <0.10 | mg/L | NC (1) | 25 | <0.10 | mg/L |
| 4584703 | Leachable Free Cyanide | 2016/07/19 | 97 | 80 - 120 | 101 | 80 - 120 | <0.0020 | mg/L | NC (1) | 20 | <0.010 | mg/L |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | Leachate Blank | |
|----------|---------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|----------------|-------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | Value | UNITS |
| 4584740 | F2 (C10-C16 Hydrocarbons) | 2016/07/20 | 123 | 50 - 130 | 109 | 60 - 130 | <100 | ug/L | NC (1) | 30 | | |
| 4584740 | F3 (C16-C34 Hydrocarbons) | 2016/07/20 | 101 | 50 - 130 | 105 | 60 - 130 | <200 | ug/L | NC (1) | 30 | | |
| 4584740 | F4 (C34-C50 Hydrocarbons) | 2016/07/20 | 103 | 50 - 130 | 100 | 60 - 130 | <200 | ug/L | NC (1) | 30 | | |
| 4585542 | 1-Methylnaphthalene | 2016/07/20 | 76 | 50 - 130 | 86 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | 2-Methylnaphthalene | 2016/07/20 | 74 | 50 - 130 | 84 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Acenaphthene | 2016/07/20 | 80 | 50 - 130 | 87 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Acenaphthylene | 2016/07/20 | 79 | 50 - 130 | 83 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Anthracene | 2016/07/20 | 82 | 50 - 130 | 86 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Benzo(a)anthracene | 2016/07/20 | 87 | 50 - 130 | 85 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Benzo(a)pyrene | 2016/07/20 | 81 | 50 - 130 | 83 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Benzo(b,j)fluoranthene | 2016/07/20 | 87 | 50 - 130 | 93 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Benzo(g,h,i)perylene | 2016/07/20 | 69 | 50 - 130 | 69 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Benzo(k)fluoranthene | 2016/07/20 | 80 | 50 - 130 | 82 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Chrysene | 2016/07/20 | 84 | 50 - 130 | 88 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Dibenz(a,h)anthracene | 2016/07/20 | 60 | 50 - 130 | 54 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Fluoranthene | 2016/07/20 | 93 | 50 - 130 | 97 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Fluorene | 2016/07/20 | 79 | 50 - 130 | 82 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Indeno(1,2,3-cd)pyrene | 2016/07/20 | 75 | 50 - 130 | 74 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Naphthalene | 2016/07/20 | 73 | 50 - 130 | 85 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |
| 4585542 | Phenanthrene | 2016/07/20 | 81 | 50 - 130 | 86 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |

QUALITY ASSURANCE REPORT(CONT'D)

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | Leachate Blank | |
|----------|-----------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|----------------|-------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | Value | UNITS |
| 4585542 | Pyrene | 2016/07/20 | 95 | 50 - 130 | 98 | 50 - 130 | <0.0050 | ug/g | NC (1) | 40 | | |

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Leachate Blank: A blank matrix containing all reagents used in the leaching procedure. Used to determine any process contamination.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (one or both samples < 5x RDL).

(1) Duplicate Parent ID

(2) The matrix spike recovery was below the lower control limit. This may be due in part to the reducing environment of the sample. The sample was reanalyzed with the same results.

(3) Matrix Spike Parent ID [CSB170-01]

(4) Duplicate Parent ID [CSB170-01]

(5) Matrix Spike Parent ID [CSB169-02]

(6) Duplicate Parent ID [CSB169-02]

(7) Matrix Spike Parent ID [CSB172-01]

(8) Duplicate Parent ID [CSB172-01]

(9) Matrix Spike Parent ID [CSB175-03]

(10) Duplicate Parent ID [CSB175-03]

(11) Matrix Spike Parent ID [CSB169-01]

(12) Duplicate Parent ID [CSB169-01]

(13) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Brad Newman, Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

| | | | | | | | |
|--|-------------------------------|---------------------|-----------------------|-------------------------|--------------------------------|----------------------|--|
| INVOICE TO: | | REPORT TO: | | PROJECT INFORMATION: | | Laboratory Use Only: | |
| Company Name: #1200 XCG Consulting Limited | Company Name: | Quotation #: B30503 | Maxxam Job #: | Bottle Order #: | Barcode: 569052 | | |
| Attention: Accounts Payable | Attention: Kristian Peter | P.O. #: | Project: 5-2705-14-02 | COC #: | Project Manager: Marijane Cruz | | |
| Address: 820 Trillium Dr Kitchener ON N2R 1K4 | Address: | Project Name: | Site #: | Barcode: C#569052-02-01 | | | |
| Tel: (519) 741-5774 Fax: (519) 741-5627 | Tel: (519) 741-5774 x291 Fax: | Site #: | Sampled By: TM | | | | |
| Email: accounting@xcg.com | Email: kristian.peter@xcg.com | Tyler.Mahm@xcg.com | | | | | |

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE MAXXAM DRINKING WATER CHAIN OF CUSTODY

| | | |
|--|--|--|
| Regulation 153 (2011) <input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Medium/Fine <input type="checkbox"/> Table 2 <input checked="" type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/Other <input type="checkbox"/> For RSC <input checked="" type="checkbox"/> Table 8 | Other Regulations <input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw <input type="checkbox"/> Reg 558 <input type="checkbox"/> Storm Sewer Bylaw <input type="checkbox"/> MISA <input type="checkbox"/> Municipality _____ <input type="checkbox"/> PWQO <input type="checkbox"/> Other _____ | Special Instructions Include Criteria on Certificate of Analysis (Y/N)? <u>N</u> |
|--|--|--|

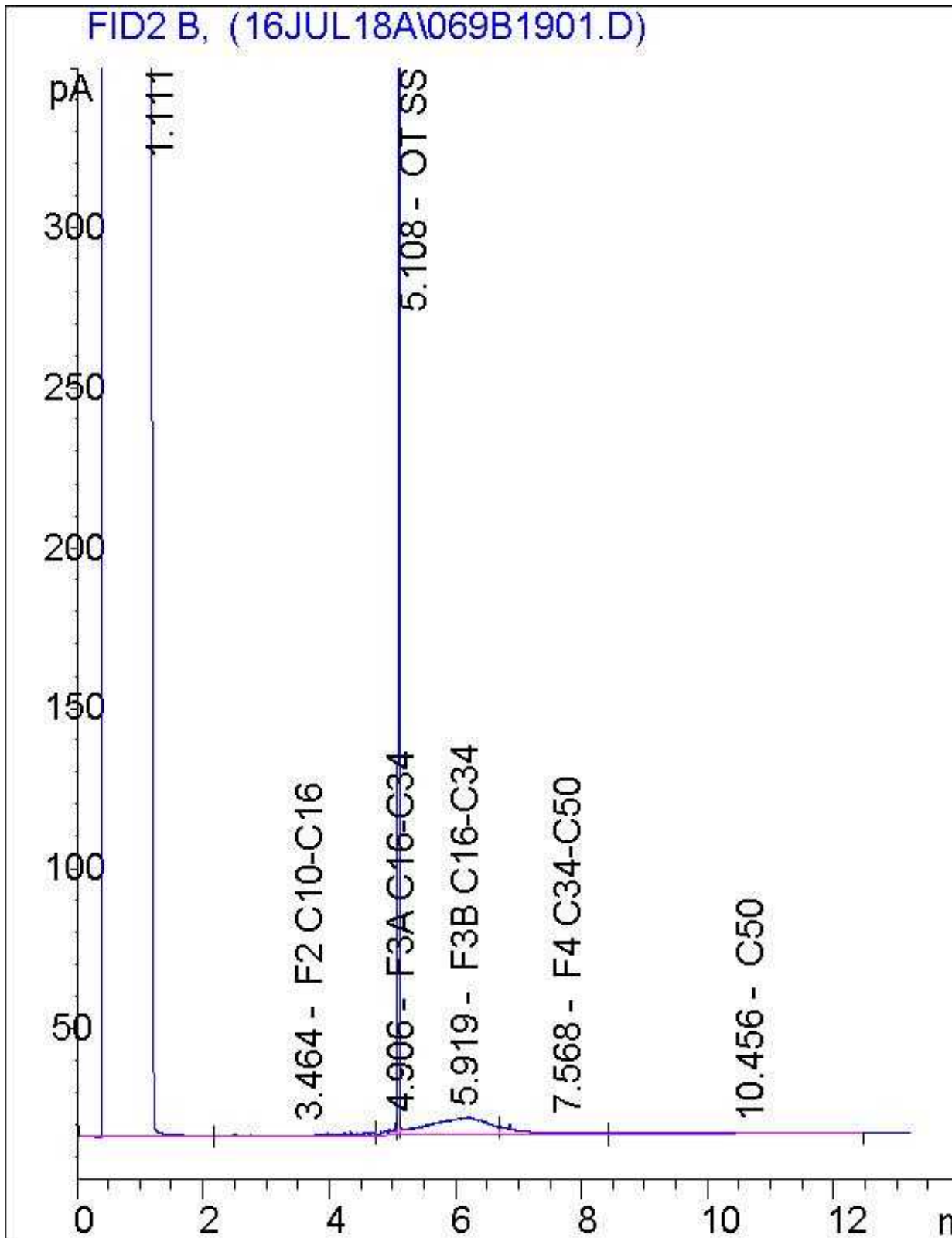
| Sample Barcode Label | Sample (Location) Identification | Date Sampled | Time Sampled | Matrix | Field Filtered (please circle): Metals / Hg / Cr / V | ANALYSIS REQUESTED (PLEASE BE SPECIFIC) | | | | | | | | | | TCLP Metals | TCLP VOC | # of Bottles | Comments |
|----------------------|----------------------------------|--------------|--------------|--------|---|---|------------------------------------|-----------------------|---------------------------------|--|-------------------------------------|------------------------|----------------------------------|---|---|-------------|----------|--------------|----------------------------------|
| | | | | | | 0 Reg 153 Petroleum Hydrocarbons (Soil) | 0 Reg 153 Volatile Organics (Soil) | 0 Reg 153 PAHs (Soil) | 0 Reg 153 Metals Package (Soil) | 0 Reg 153 Petroleum Hydrocarbons (Water) | 0 Reg 153 Volatile Organics (Water) | 0 Reg 153 PAHs (Water) | 0 Reg 153 Metals Package (Water) | | | | | | |
| 1 | XCG-BH1-SS5 | July 13/16 | 9:15 | Soil | | X | X | X | X | | | | | | | | | 7 | |
| 2 | XCG-BH2-SS5 | | 10:00 | | | X | X | X | X | | | | | | | | | 7 | |
| 3 | XCG-BH3-SS4 | | 10:50 | | | X | X | X | X | | | | | | | | | 7 | |
| 4 | XCG-BH4-SS4 | | 11:30 | | | X | X | X | X | | | | | | | | | 7 | |
| 5 | XCG-BH5-SS4 | | 12:30 | | | X | X | X | X | | | | | | | | | 7 | |
| 6 | XCG-BH6-SS4 | | 1:00 | | | X | X | X | X | | | | | | | | | 7 | |
| 7 | TM-100 | | 12:00 | | | X | X | X | | | | | | | | | | 6 | |
| 8 | TM-200 | | 12:00 | | | | | | X | | | | | | | | | 1 | |
| 9 | TCLP | | | | | | | | | | | | | X | X | | | 2 | |
| 10 | XCG-MW2 | | 3:00 | GW | Y | | | | | X | X | X | X | | | | | 10 | Limited PAH & Pile Sample Volume |
| | MWB | | 3:30 | GW | Y | | | | | X | X | X | X | | | | | 12 | |

| | | | | | | | | | |
|--|------------------------------|----------------|--|--------------------------------|---------------|-------------------------------|---------------------------------------|----------------------|---|
| * RELINQUISHED BY: (Signature/Print) Tyler Mahm | Date: (YY/MM/DD) 16/07/14 | Time 9:40am | RECEIVED BY: (Signature/Print) Tracy Stebbins | Date: (YY/MM/DD) 2016/07/14 | Time 09:45 | # jars used and not submitted | Laboratory Use Only | | |
| | | | | | | Time Sensitive | Temperature (°C) on Receipt 2.2.2. | Custody Seal Present | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| | | | | | | | | Intact | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS. SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM. White: Maxxam Yellow: Client

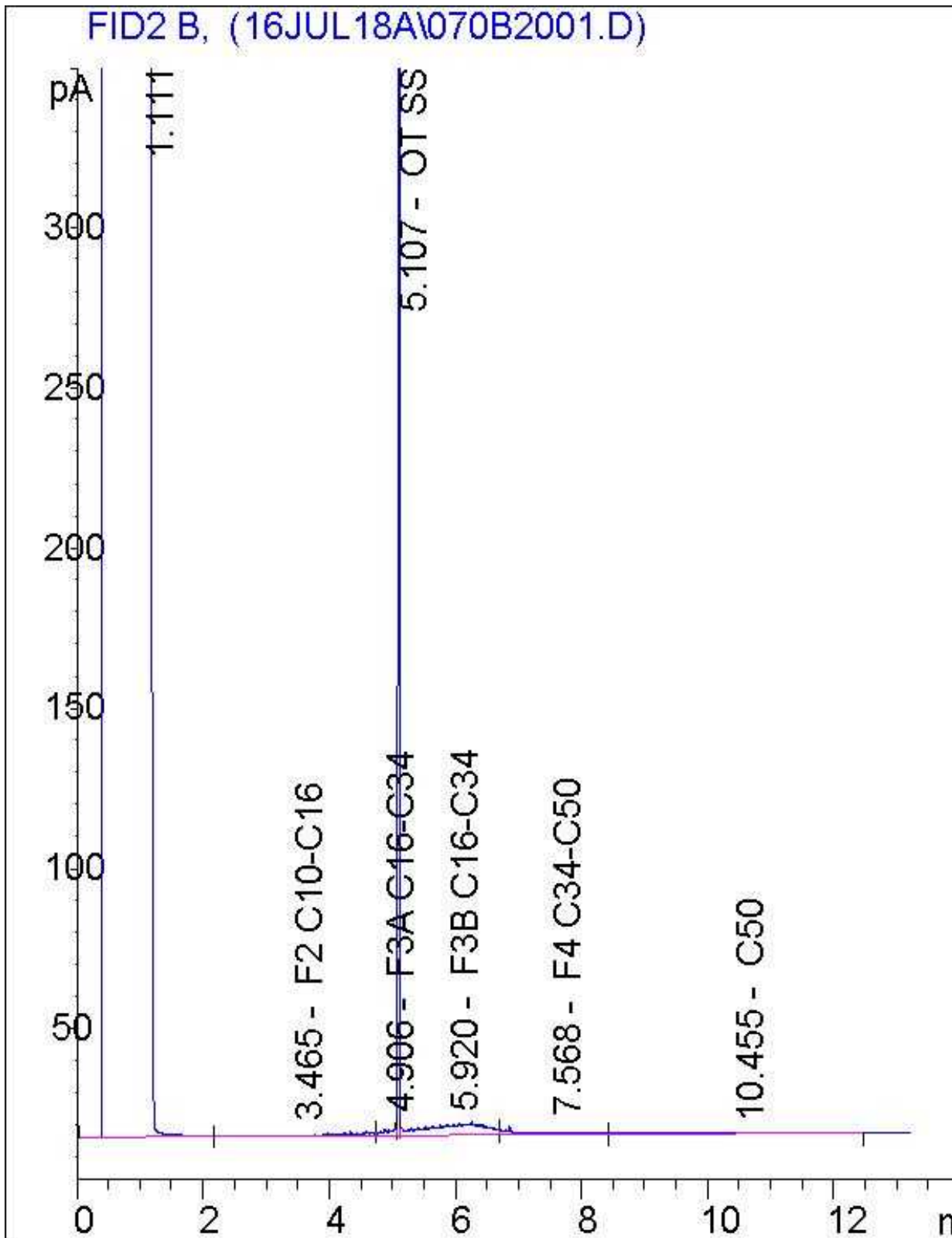
2016/07/14
 Maxxam Analytics International Corporation o/a Maxxam Analytics 51710 51312 100 MW2 34533

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



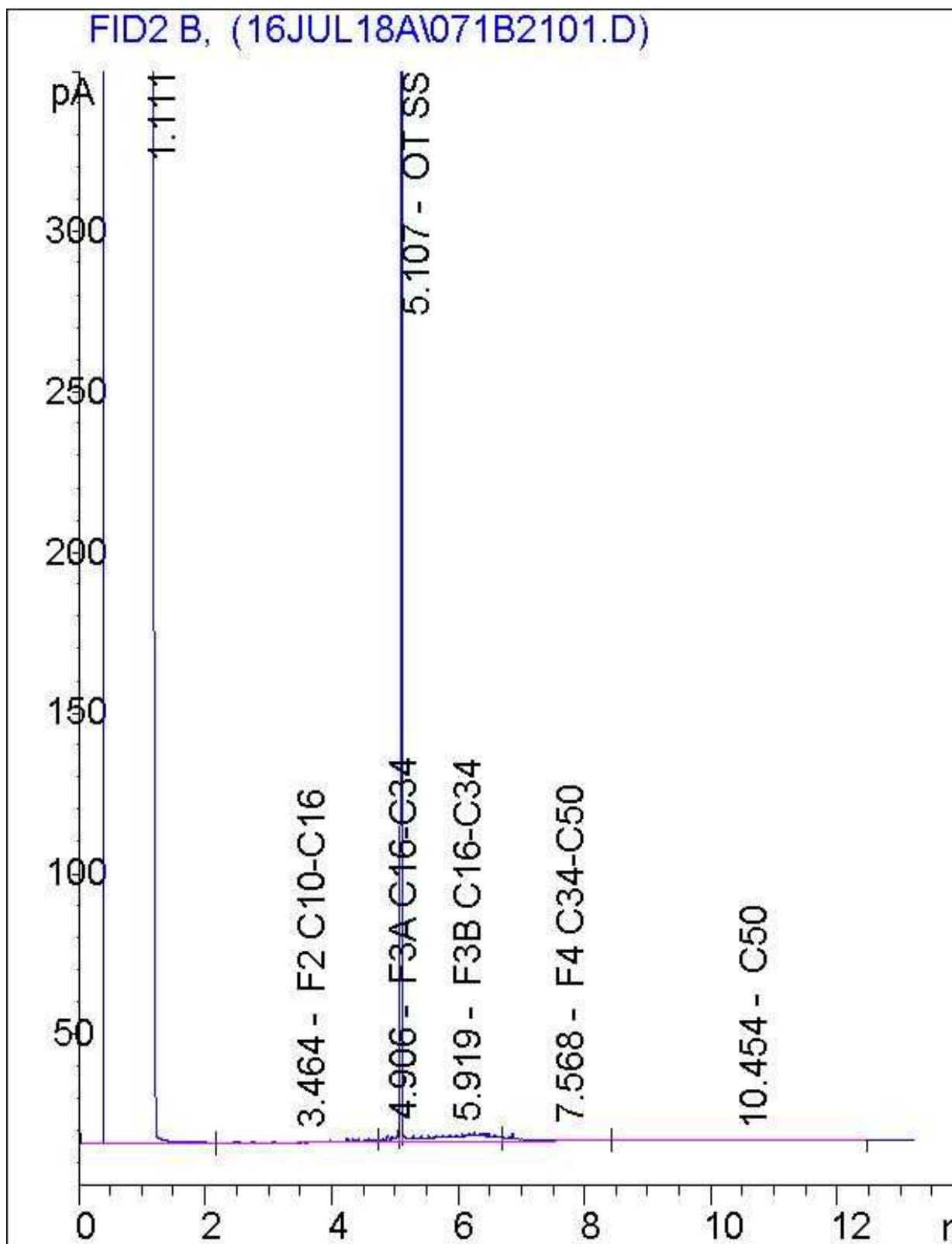
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



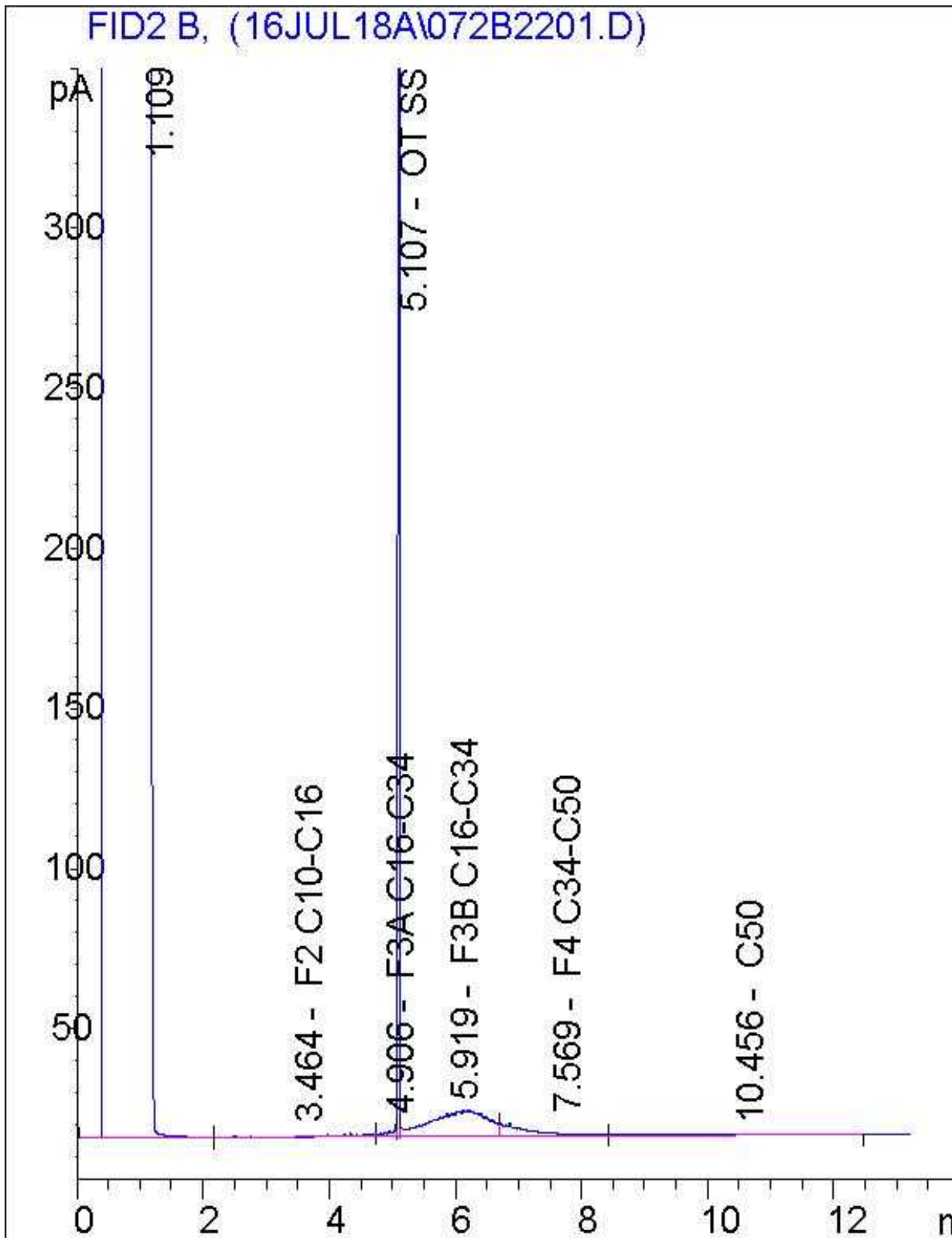
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



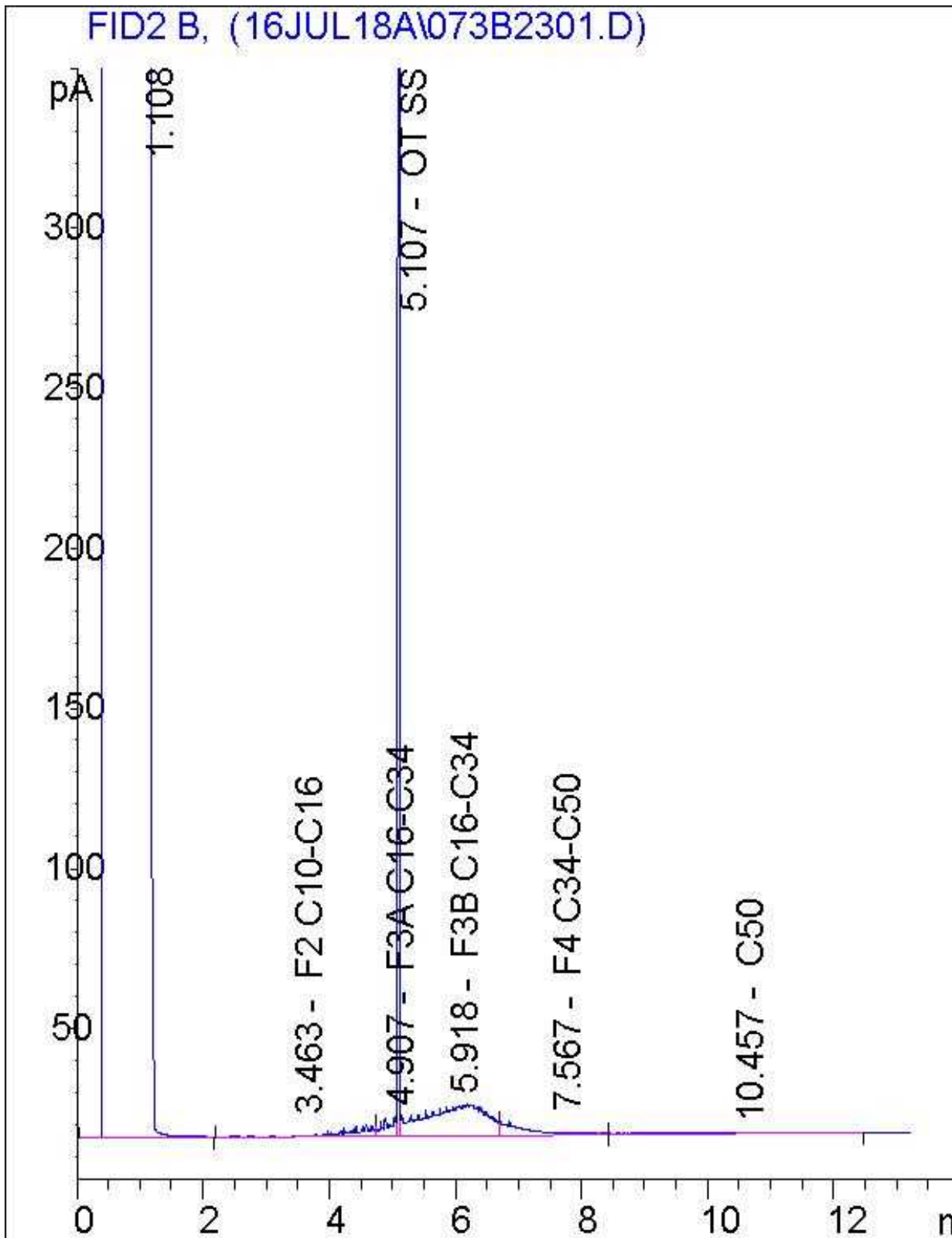
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



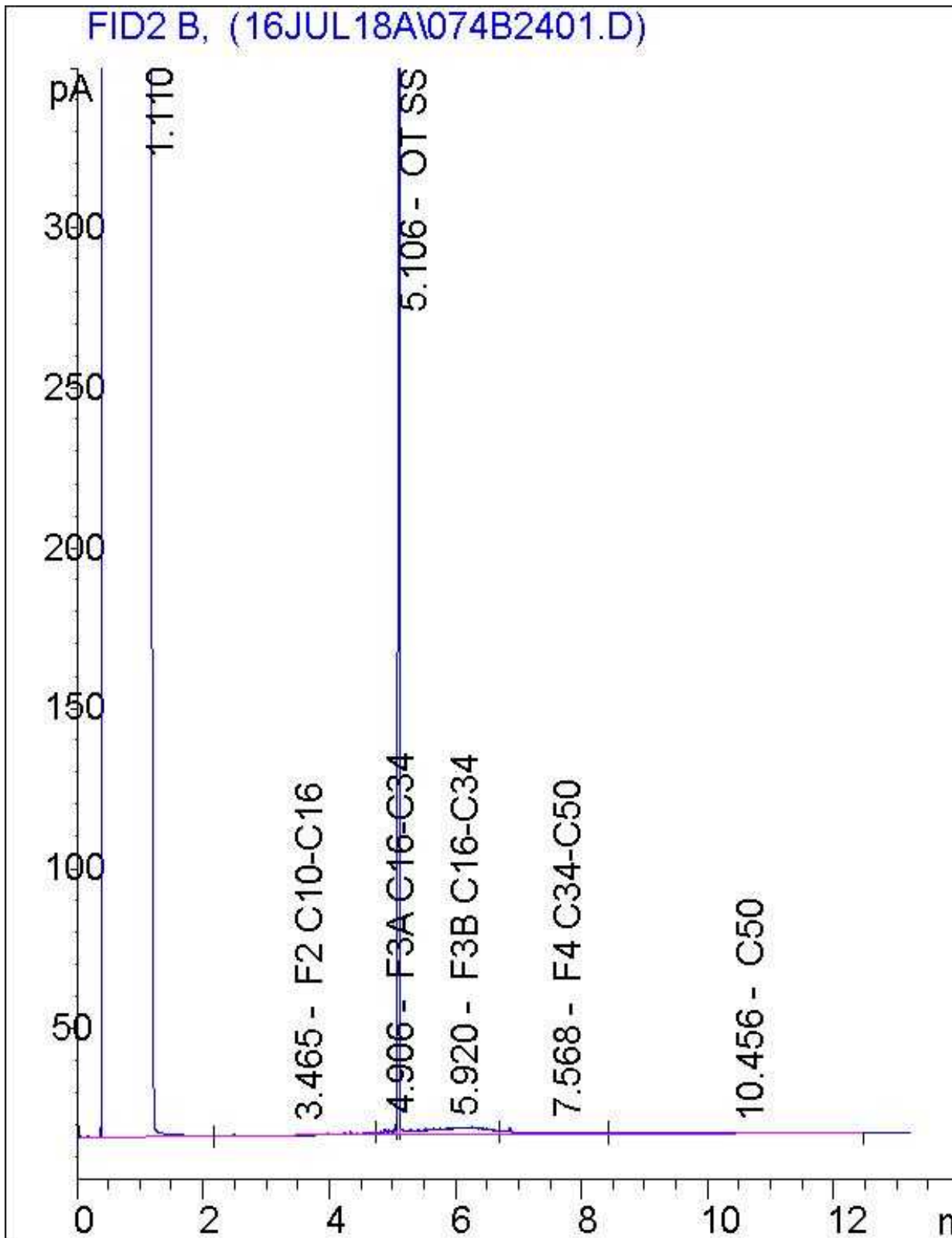
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



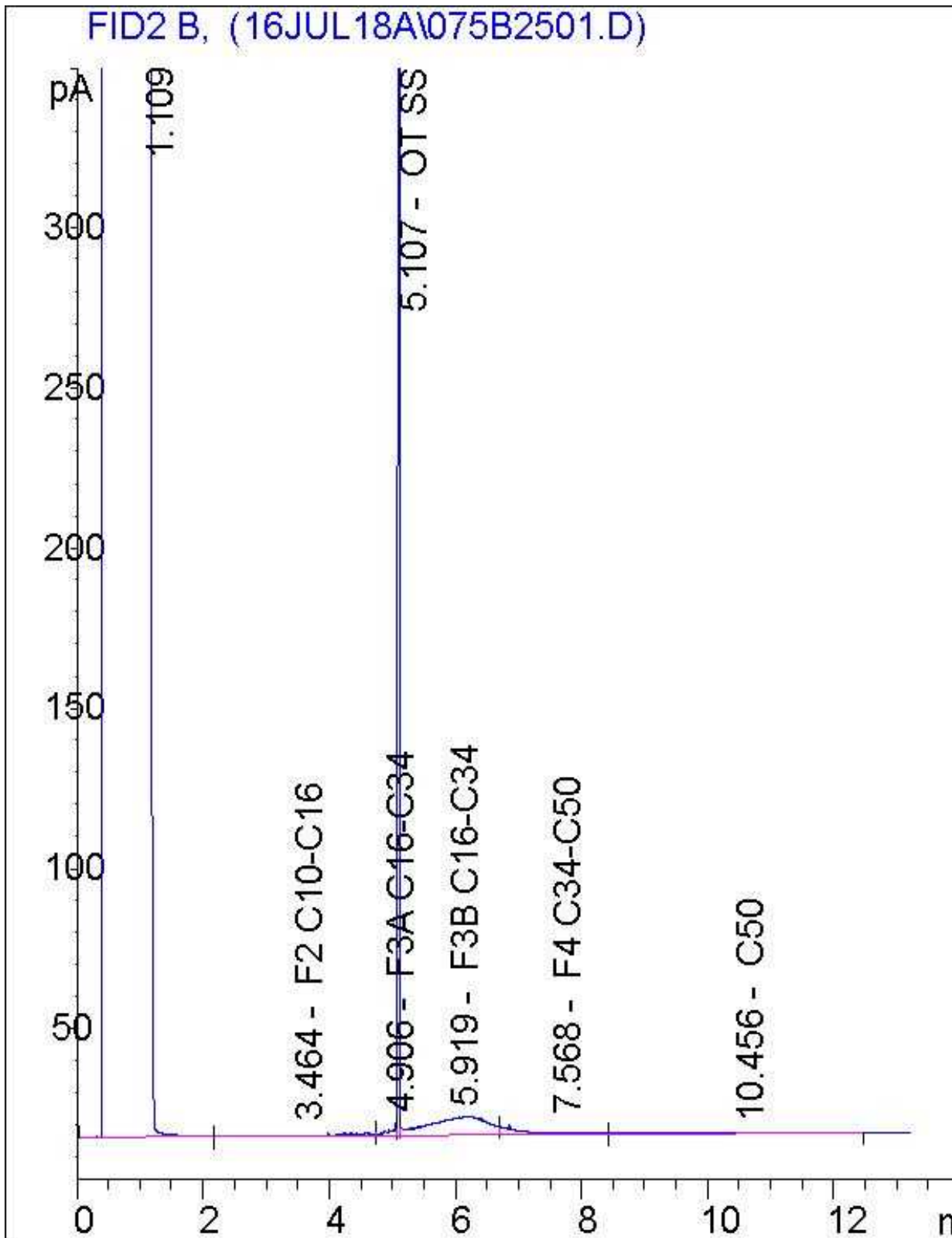
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



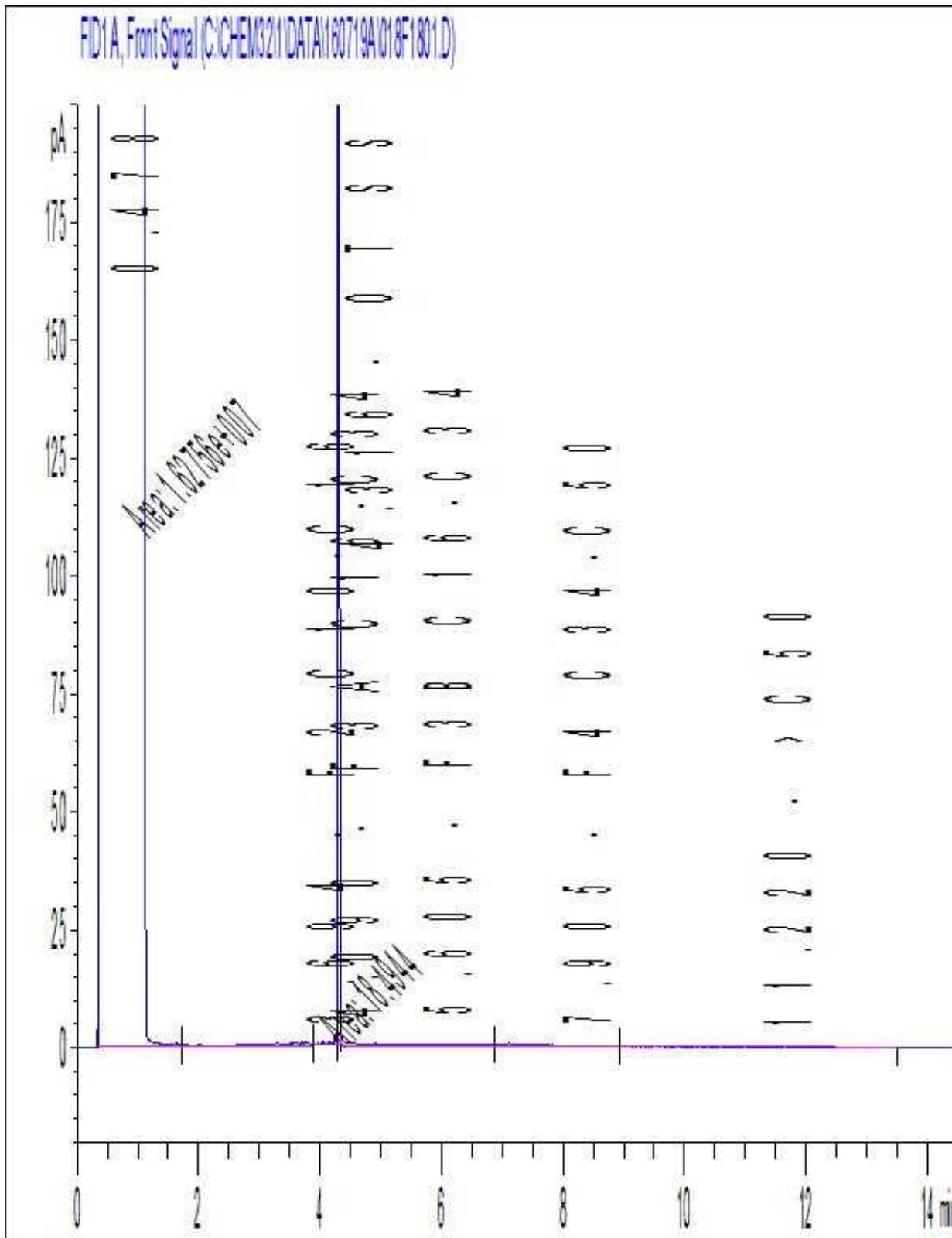
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



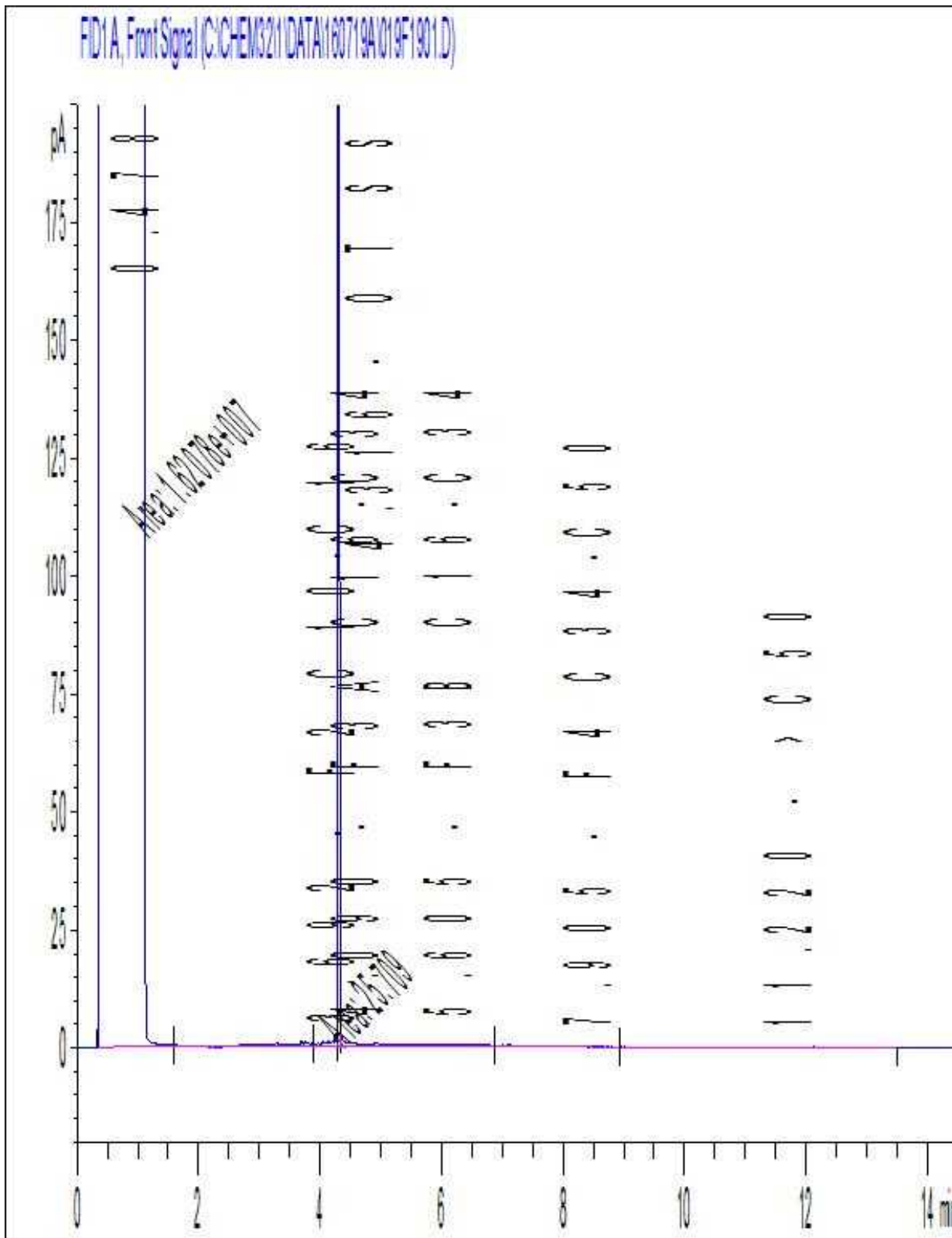
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.