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PHASE II ENVIRONMENTAL SITE ASSESSMENT
BAKER STREET REDEVELOPMENT SITE,
GUELPH, ONTARIO

Submitted to:

CITY OF GUELPH, CITY HALL
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EXECUTIVE SUMMARY

XCG Consultants Ltd. (XCG) was retained by the City of Guelph to conduct a Phase II Environmental Site Assessment (ESA) of the Baker Street Redevelopment Site property located at 55 Baker Street in Guelph, Ontario (subject property or site), including Chapel Lane, Park Lane, and Baker Street road allowances. It is XCG's understanding that the City of Guelph is considering redeveloping the subject property and that a Record of Site Condition (RSC) will be required prior to the site redevelopment

The purpose of the Investigation was to further investigate the potential environmental issues identified in the previous Phase I ESA completed by XCG in October 2008 and to assess the soil and groundwater quality with respect to the applicable Ministry of Environment (MOE) soil and groundwater standards.

The tasks completed as part of the Investigation included:

- Completion of both public and private utility locates to verify the potential presence and location of underground utilities;
- Advancement of 20 boreholes including installation of seven monitoring wells at the site to a maximum depth of 10.7 metres below ground surface (bgs);
- Collection of soil and groundwater samples from each borehole and monitoring well for chemical analyses of metals, petroleum hydrocarbon compounds (PHCs) (Fractions F1 to F4), benzene, toluene, ethylbenzene, and xylenes (BTEX), volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and/or pH; and
- Review and assessment of field and analytical data.

Based on the findings of the Phase II ESA it was concluded that:

1. Soil analytical results confirmed the presence of pH outside the 5 to 9 range. Therefore, the site is considered an environmentally sensitive site and the MOE Standard Table 1 criterion applies for this site. For reference purposes, for parameters with no MOE Standard Table 1 values, the MOE Standard Table 2 criterion was utilized.
2. Historical and ongoing on-site operations resulted in widespread soil and groundwater contamination with select metals, and localized VOC and PAH-related impacts. The concentrations of metals, VOCs, and PAHs in soil and/or groundwater exceed the applicable MOE Standard Table 1 criteria. In addition, the concentrations of select metals, PAHs, and PHCs in some soil and groundwater samples also exceeded the less stringent MOE Standard Table 2 criteria. The full extent or the significance of the identified soil and/or groundwater impacts have not been investigated and are currently unknown.
3. There is no evidence that historical operations of underground storage tanks (USTs) for storage of petroleum hydrocarbon and/or formaldehyde conducted on adjacent properties resulted in on-site impacts to soil and groundwater quality.

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1. INTRODUCTION, PURPOSE, AND USE

As requested by the City of Guelph, XCG Consultants Ltd. (XCG) has completed a Phase II Environmental Site Assessment (ESA) at the Baker Street Redevelopment Site property located at 55 Baker Street in Guelph, Ontario (herein referred to as the subject property or site), including Chapel Lane, Park Lane, and Baker Street road allowances. The site location and layout is shown on Figure 1.

It is XCG's understanding that the City of Guelph is considering redeveloping the subject property for use as a library and that a Record of Site Condition (RSC) will be sought from the Ministry of the Environment (MOE) prior to the site redevelopment.

XCG has recently completed a Phase I ESA which was documented in a draft report dated October 8, 2008. Based on the findings of the Phase I ESA, XCG developed a scope of work to further investigate the potential areas of environmental concern identified during the Phase I ESA.

XCG understands that the purpose of the Phase II ESA was to further investigate areas of environmental concern identified during the Phase I ESA and to assess the soil and groundwater quality with respect to the applicable MOE Standards.

The findings of the Phase I ESA included:

- Historical site use included industrial and manufacturing operations (a creamery, sawing machine, and spring manufacturing) conducted between 1897 and the 1960s and subsequent operation of the site as a municipal parking lot;
- Historical operations conducted on adjacent properties included operation of underground storage tanks (USTs) for storage of petroleum hydrocarbons (PHCs) and formaldehyde; and
- Historical investigations identified soil and groundwater quality impacts above currently applicable MOE Standards.

This report summarizes the scope of work, field activities, observations, and analytical data obtained during the Phase II ESA conducted at the site, and presents conclusions based on the information obtained. This Phase II ESA report has been prepared for the use of the City of Guelph and may not be relied upon by others without the written concurrence of XCG.

2. BACKGROUND INFORMATION

In August 2001, a Phase II ESA was completed on the subject property by Kewen Environmental Limited (Kewen). The work completed by Kewen included advancement of seven boreholes across the site, three of which were instrumented as monitoring wells (2, 4, and 6). Monitoring well 4 was dry at the time of drilling, and a groundwater sample was not collected from this well. Monitoring well 2 was reportedly paved over and could not be located by XCG personnel.

A total of 11 soil samples, (at least one from each borehole) and one groundwater sample (collected from monitoring well 6) were submitted for chemical analyses for pH, metals, inorganic parameters, conductivity, and/or volatile organic compounds (VOCs).

A review of the August 2001 results indicated that:

- Soil pH for shallow soil samples ranged between 8.87 and 9.36, and five of the 11 samples had pH values above nine;
- Soil sample concentrations of lead (169 µg/g), zinc (between 168 and 833 µg/g), benzene (0.003 µg/g), toluene (between 0.007 and 0.008 µg/g), and xylene (between 0.008 and 0.009 µg/g) were above the applicable MOE Standard Table 1 criteria of 2.5 µg/g, 120 µg/g, 160 µg/g, 0.002 µg/g (for benzene, toluene and xylene), respectively; and
- The groundwater sample collected from well 6 was reported to have concentrations of cobalt (2 µg/L), and antimony (7 µg/L), which were above the MOE Standard Table 1 criteria of 0.9 µg/L and 6 µg/L, respectively.

In 2007, an archaeological investigation was conducted in the southern portion of the site by D. R. Poulton & Associates Inc. (Poulton). The purpose of the investigation was to document the presence and remove any historic grave sites that could be impacted by the proposed site development. The archaeological excavation work was reportedly completed over an area of approximately 0.41 hectares, reportedly two-thirds of the former cemetery. The outer limits of the former cemetery are unknown.

During the investigation, Poulton encountered 11 intact grave sites and an additional 25 grave sites that had previously been exhumed. Furthermore, during the excavation activities bones, from previously disturbed or exhumed grave sites, were also found. The findings of the Poulton archaeological investigation was documented in a report entitled "The Stage 3-4 Archaeological Investigations of the Proposed Baker Street Parking Facility, Former Public Burying Ground (AjHb-71), City of Guelph, Ontario," dated August 2007.

In 2008, Jacques Whitford Environmental Ltd. (JWEL) completed a geotechnical investigation on the subject property. The purpose of this investigation was to determine the subsurface conditions at the site and to provide geotechnical data and recommendations related to the redevelopment of the site.

As part of the geotechnical investigation, a total of nine boreholes were advanced to depths ranging between 5.5 and 12.1 metres below ground surface (bgs). Six of the boreholes were terminated at the top of the inferred bedrock between 5.5 and 8.5 metres bgs and three boreholes were advanced between 3.0 and 4.0 metres further into the bedrock. Reportedly, the boreholes advanced into the bedrock were instrumented as monitoring wells; however, at the time of the geotechnical investigation, the wells remained dry.

The subsurface geology generally consisted of surficial asphalt pavement structure (asphalt and granular materials), fill materials at some locations, native sand/silty sand, sandy silt, weathered bedrock, and sound bedrock. The fill layer generally consisted of very loose dark brown to black organic silty sand, trace clay was encountered in BH1 and a fill layer of compact brown sandy clay was encountered in BH4. Bedrock coring was carried out in boreholes BH2, BH5, and BH9. According to JWEL, the rock that was encountered indicated that the bedrock was sound, hard to moderately hard, fresh to slightly weathered, white to pinkish white, amorphous, medium to think, smooth, and consisted of horizontal limestone.

Sieve analysis tests were carried out on select native soil samples. As reported by JWEL, BH1 to BH3 and BH6 to BH9 contained average of 13% gravel size particles, 78% sand size particles, and 9% silty/clay particles. The grain size analysis for BH4 and BH5 contained an average of 4% gravel size particles, 51% sand size particles, and 45% silt/clay particles.

During the drilling activities, brick debris was reportedly encountered in boreholes advanced within the footprint of the former factory (BH5 and BH7). The full extent of the brick debris has not been identified.

The findings of the geotechnical investigation were presented in a report entitled “Geotechnical Investigation, Baker Street Parking Garage, Guelph, Ontario”, dated July 14, 2008.

3. XCG SCOPE OF WORK

In order to achieve the above-listed project objectives, the following tasks were completed as part of the Phase II ESA:

1. Mobilization and demobilization of all personnel and equipment required to complete the work. Prior to the subsurface investigation, both public and private utility locates were carried out in all of the areas where subsurface work was conducted.
2. Advancement of 20 boreholes at the site to a maximum depth of 10.7 metres bgs within the Baker Street Parking Lot and on Park Lane to investigate soil quality.
3. Collection and field screening of soil samples from all boreholes for evidence of impact including discolouration, odours, and the presence of total organic vapours (TOVs) as measured using a handheld gas meter [i.e. gastechtor or photo ionization detector (PID) meter].
4. Laboratory analyses of one 'worst case' soil sample from each borehole for metals, PHCs (Fractions F1 to F4), VOCs, polyaromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and/or pH.
5. Instrumentation of seven boreholes as monitoring wells to facilitate collection of groundwater samples for chemical analyses and determination of groundwater flow direction.
6. Surveying ground surface elevations at the monitoring well locations relative to an on-site temporary benchmark.
7. Measuring groundwater levels in all on-site wells (including wells installed during previous investigations), purging and/or development of the wells and collection of groundwater samples for chemical analyses.
8. Submission of 10 groundwater samples [one sample per well, including the previously installed wells plus one quality assurance/quality control (QA/QC)] for laboratory analyses of metals, PHCs (F1 to F4), benzene, toluene, ethylbenzene, xylenes (BTEX), VOCs, PAHs, and/or PCBs.
9. Review and assessment of field and analytical data.
10. Preparation of a summary report.

4. METHODOLOGY

Prior to commencing on-site drilling activities, utility locates were performed by Ontario One Call and Down Under Pipe and Cable Locating (Down Under). A copy of the Down Under buried utility locates reports are included in Appendix A.

The Phase II ESA was designed in general accordance with the Canadian Standards Association (CSA) Standard Z769-00 for completing Phase II Environmental Site Assessments (ESAs). The Phase II ESA sampling program was conducted in general accordance with the MOE sampling protocols, including QA/QC methods, as described in the MOE document, "*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*," dated December 1996. All chemical analyses were performed in accordance with 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.

4.1 Soil and Groundwater Sampling

4.1.1 Borehole Drilling/Monitoring Well Installations

All drilling activities were completed under XCG supervision by Geo-Environmental Drilling Inc., of Milton, Ontario (Geo-Environmental), a MOE-licensed drilling contractor. Between November 25 and December 3, 2008, Geo-Environmental advanced 20 boreholes, BH-1 to BH-19, and BH-17-MW5D, using a truck-mounted CME-75 drill rig equipped with split spoon samplers and hollow stem augers and tri-cone drilling bit. The boreholes were advance to depths ranging from 0.76 to 10.7 metres bgs. Boreholes BH-8, BH-15, BH-16, and BH-17-MW5D were advanced into the limestone bedrock using an air tri-cone drilling bit. The approximate borehole locations are shown on Figure 2.

Soil samples collected from each borehole were logged for physical characteristics, as well as olfactory and visual evidence of contamination. 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 with Teflon lined lids to prevent the loss of volatile compounds.

Soil samples from each borehole were screened in the field for visual and olfactory evidence of impacts and the presence of TOV using the headspace method using a Photovac 2020 PID. TOV measurements were taken from the headspace in the sample bags. The TOV readings are provided on the borehole logs included in Appendix B.

Based on field screening, one 'worst-case' soil sample was selected from each of the 20 boreholes and submitted to Maxxam Analytics Inc. of Mississauga, Ontario (Maxxam) for chemical analysis. Selected soil samples were submitted under chain-of-custody protocols, for chemical analysis of metals, PHCs (F1 to F4), VOCs, PAH, PCBs, and/or pH. The soil quality results are discussed in Section 4.4. The Maxxam laboratory analytical reports are provided in Appendix C.

Following completion of soil sampling activities, seven of the 20 boreholes (BH-8-MW4, BH-15-MW3, BH-16-MW2, BH-17-MW5S, MW5D, BH-18, MW1, and BH-19-MW6) were instrumented as monitoring wells. The new wells were constructed using 51-millimetre (2-inch) diameter PVC Schedule 40 pipe equipped with 10-slot 1.5-metre or 3-metre (5-foot or 10-foot) long screen. Clean silica sand (#3) filter pack was placed around each screen with a bentonite seal placed above the filter pack to backfill the remaining borehole annulus. The monitoring wells were completed with well caps and flush-mounted protective casings set into a concrete collar at grade. Each monitoring well was instrumented with dedicated sampling tubing. Well instrumentation details are presented in the borehole logs in Appendix B.

4.1.2 Hydraulic Monitoring and Groundwater Sampling

XCG measured water levels from the newly installed monitoring wells (BH-8-MW4, BH-15-MW3, BH-16-MW2, BH-17-MW5S, BH-17-MW5D, BH-18-MW1, and BH-19-MW6) and the already existing monitoring wells (BH2, BH5, and 6) on December 4, 2008. The water levels were measured with respect to an on-site benchmark (the top of a fire hydrant located adjacent to the parking kiosk building), which was assigned an arbitrary elevation of 100.00 metres above arbitrary site datum (ASD).

The groundwater levels measured on December 4, 2008 were between 8.245 metres bgs (89.945 metres ASD) at BH-15-MW3 and 3.365 metres bgs (94.990 metres ASD) at BH-19-MW6. The groundwater levels measured on December 4, 2008 and the calculate groundwater elevations with respect to the ASD are summarized in Table 1.

The well development and groundwater sampling activities were conducted between December 2 and 4, 2008. The newly installed monitoring wells were developed to remove fine material from the sand pack and to ensure that groundwater samples collected from the wells are representative of the formation water. Following well development, all wells were purged prior to sampling.

Following completion of well development and purging activities, each well was generally sampled using WaTerra inertial lift pumps; however, pre-existing monitoring wells BH2 and BH5 were sampled using a low-flow peristaltic pump due to the diameter of the well. Between December 2 and 4, 2008, 11 groundwater samples, including one QA/QC sample, were collected from newly installed and previously existing monitoring and were submitted for chemical analyses of metals, PHCs (F1 to F4), BTEX, VOCs, PAHs, and/or PCBs. Previously existing monitoring wells 4 and BH9 were purged dry and did not recovered in time; therefore, samples were not collected from these monitoring wells. Previously existing monitoring well 2 could not be located and may have been possibly paved over. All samples were collected directly in the laboratory-supplied containers and submitted under chain-of-custody protocol to Maxxam. The groundwater analytical results are discussed in Section 4.5. The Maxxam laboratory analytical reports are provided in Appendix C.

5. RESULTS

5.1 Geology

The stratigraphy observed in boreholes advanced at the subject site consists of various layers of sand and gravel fill, silty sand, silt and gravel, cobbles, sand, silt, and limestone bedrock extending from the ground surface to approximately 10.7 metres bgs. The sand and gravel fill layers ranged from the ground surface to a maximum depth of approximately 3.05 metres bgs across the entire site. Red brick fragments were observed in BH-5, BH-14, BH-18, and BH-19 within the fill layer in localized areas.

The fill layers were underlain by silty sand, silt, sand, gravel, and cobbles to a maximum depth of 7.3 metres bgs. Limestone bedrock was encountered between 4.27 and 7.3 metres bgs to the maximum depth of the investigation of 10.7 metres bgs. The limestone bedrock was typically encountered between 4.27 and 5.33 metres bgs at the southern portion of the site and between 7.3 and 6.55 metres bgs at the northern portion of the site.

The sand and gravel layer directly beneath the fill layer in BH-8, BH-9, BH-15, and BH-16 was found to extend between 0.46 and 5.2 metres bgs, and was underlain by the limestone bedrock. The sand and gravel layer in BH-1, BH-2, BH-3, and BH-12 was found to extend between 2.44 and 4.57 metres bgs, and was underlain by silt, underlain by the limestone bedrock. A sand and gravel layer was not observed in the remaining boreholes.

Auger refusal occurred between 0.76 and 1.98 metres bgs at BH-5, BH-7, BH-10, and BH-10. Auger refusal may have occurred due to encountering a concrete structure or a large boulder; however, refusal typically occurred within the fill layer.

5.2 Hydrogeology

Water was generally encountered within the bedrock in the southern portion of the site and water was generally encountered within the overburden/fill in the northern portion of the site. Based on the groundwater elevations measured on December 4, 2008 in wells installed at the site, the direction of shallow groundwater flow beneath the investigative portion of the site is to the east to southeast towards the Speed River. Speed River flows from the north to south and is located approximately 160 metres northeast of the subject site northern property boundary.

5.3 Applicable Standard

Review of soil pH data generated during previous on-site investigations conducted by Kewen in 2001 indicated that five of eleven shallow (less than 1.5 metres bgs) soil samples collected, five samples had soil pH values above 9. Furthermore, two of the 12 shallow soil samples collected as part of this Phase II ESA were also reported to have pH values above 9. According to MOE document entitled "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*," dated March 9, 2004 (MOE Standard), a property with pH values in

shallow soil outside the normal range of 5 to 9 is considered an environmentally sensitive site. As such, the soil and groundwater quality data generated as part of this Phase II ESA was assessed with respect to the MOE Standard Table 1 criteria.

Due to the fact that the MOE Standard Table 1 does not provide criteria for some parameters of concern analyzed for during the Phase II ESA, for reference purposes, XCG also compared the analytical results to the MOE Standard Table 2 criteria developed for commercial, industrial and institutional land use in a potable groundwater situation.

5.4 Soil Quality

Review of the soil analytical results indicates that all analyzed parameters were detected at concentrations either less than the laboratory method detection limit or below the MOE Standard Table 1 soil quality criteria for PAHs and PCBs.

Analytical results indicated that concentrations of metals were less than the applicable MOE Standard Table 1 soil quality criteria, with the exception of lead and zinc. Concentrations of lead in boreholes BH-6 (199 µg/g) and BH-19 (138 µg/g) exceeded the applicable MOE Standard Table 1 soil quality criteria of 120 µg/g. Concentrations of zinc in boreholes BH-2 (185 µg/g), BH-9 (172 µg/g), and BH-19 (176 µg/g) also exceeded the applicable MOE Standard Table 1 soil quality criteria of 160 µg/g.

Analytical results indicated that concentrations of VOCs were less than the applicable MOE Table 1 soil quality criteria, with the exception of toluene in the sample collected from borehole BH-3 (0.003 µg/g) which exceeded the applicable MOE Standard Table 1 soil quality criteria of 0.002 µg/g.

It is noted that the concentration of dichloromethane in the sample collected from BH-14 was reported to be less than the analytical method detection limit; however, the detection limit was above the MOE Standard Table 1 criterion for this parameter.

Review of the soil analytical results for PHCs (F1 and F2) indicated that all concentrations were less than the laboratory method detection limits. Detectable concentrations of PHCs (F3 and F4) were detected in BH-10 (1,300 µg/g and 7,900 µg/g), BH-13 (56 µg/g and 600 µg/g), BH-14 (56 µg/g), and BH-15 (107 µg/g and 900 µg/g). There are no MOE Table 1 Standards for PHCs (F1 to F4).

For reference purposes, the soil sample analytical results were also compared to the MOE Standard Table 2 criteria. The concentration of PHC (F4) in sample collected from borehole BH-10 (7,900 µg/g) was greater than the MOE Standard Table 2 criteria of 3,300 µg/g.

The soil sample analytical results are summarized in Tables 2, 3, and 4. Laboratory certificates of analysis are also included in Appendix C.

5.5 Groundwater Quality

Review of the groundwater analytical results indicates that with the exception of toluene, all samples had concentrations of VOCs and PCBs either less than the

laboratory method detection limit or less than the MOE Standard Table 1 groundwater quality criteria. Groundwater samples collected from monitoring wells MW1 (1.0 µg/L), MW2 (1.9 µg/L), MW5S (2.2 µg/L), and MW5D (2.6 µg/L) were reported to have concentration of toluene greater than the applicable MOE Standard Table 1 groundwater criterion of 0.8 µg/L.

Analytical results for metals indicated that concentrations of cadmium, cobalt, copper, nickel, selenium, and zinc were greater than the applicable MOE Standard Table 1 groundwater quality criteria of 2.5 µg/L, 25 µg/L, 5 µg/L, and 20 µg/L, respectively. Concentrations of copper exceeded the applicable MOE Standard Table 1 groundwater quality criteria in every monitoring well sampled. Concentrations of cobalt exceeded the applicable MOE Standard Table 1 groundwater quality criteria in every monitoring well with the exception of the pre-existing monitoring wells BH5 and 6. Concentrations of sodium were detected in every monitoring well sampled; however, the MOE Standard Table 1 has no numerical criteria for sodium.

Review of the groundwater analytical results for PHC (F1 to F4) indicated that with the exception of sample collected from well MW1, all PHC concentrations were below the laboratory method detection limits. The sample collected from MW1 was reported to have concentrations of PHC (F3) and PHC (F4) at 340 µg/L and 840 µg/L, respectively. The MOE Standard Table 1 has no numerical criteria for PHCs. However, in order for a site to meet the MOE Standard Table 1 criteria for PHCs, there must be no evidence of free product, including but not limited to, visible petroleum hydrocarbon film or sheen present in groundwater samples. The groundwater must also be free of objectionable petroleum hydrocarbon odour and taste. It is noted that during purging, development, and sampling activities no evidence of petroleum hydrocarbon film, sheen, and/or odour was observed.

Analytical results for PAHs in monitoring wells MW4 and pre-existing BH5 indicated that all analyzed parameters were detected at concentrations either less than the laboratory method detection limit or less than the MOE Standard Table 1 groundwater quality criteria. Concentrations of PAHs in monitoring well MW1 exceeded the applicable MOE Standard Table 1 groundwater quality criteria for anthracene (0.10 µg/L), benzo(a)anthracene (0.48 µg/L), benzo(a)pyrene (0.522 µg/L), benzo(b)fluoranthene (0.72 µg/L), benzo(g,h,i)perylene (0.46 µg/L), benzo(k)fluoranthene (0.33 µg/L), chrysene (0.50 µg/L), indeno(1,2,3-cd)pyrene (0.48 µg/L), and pyrene (0.79 µg/L).

For reference purposes, the groundwater sample analytical results were also compared to the MOE Standard Table 2 criteria. The concentrations of PHC (F3 and F4) in the sample collected from well MW1, barium in sample collected from well MW5S (1,400 µg/L), and selenium in samples collected from wells MW5D (6 µg/L) and MW6 (6 µg/L) exceeded the MOE Standard Table 2 criteria for these parameters. In addition, concentration of sodium in samples collected from all on-site wells were above the MOE Standard Table 2 criteria of 200,000 µg/L.

The groundwater sample analytical results are summarized in Tables 5, 6, and 7. Laboratory certificates of analysis are also included in Appendix C.

5.6 QA/QC Results

XCG reviewed the laboratory sample results and QA/QC samples to evaluate whether data quality objectives were met. The analytical data are considered to be representative, reliable, and complete, and have a documented accuracy and precision. The laboratory sample spikes and QC standard samples analyzed by the laboratory did not reveal any anomalous results.

For the fieldwork program, XCG followed standard QA/QC field protocols, which included cleaning and decontamination of sampling equipment, dedicated sampling equipment, wearing clean gloves between each new sample was collected, minimizing aeration and air contact of samples, sample preservation, unique sample identification and completing chain of custody, recording observations in field notes, keeping samples cool ($4^{o}C$) and in the dark as soon as they were collected, securing samples with ice packs to maintain internal temperatures in shipping containers for storage and transport, and shipping samples to the laboratory as soon as possible after collection, noting the recommended maximum holding times.

6. SUMMARY OF FINDINGS

1. Based on the review of the water levels and survey data, groundwater is confirmed to flow in an east to southeast direction across the subject property.
2. Analytical results indicated that soil from BH-10 and BH-14 had pH levels of 10.5 and 9.63, respectively. Historical investigations also indicated several soil samples had a pH greater than 9. Therefore the subject site is considered to be environmentally sensitive and analytical data must be compared to the MOE Table 1 Standards criteria.
3. PAHs and PCBs parameter concentrations in soil samples were all found to be less than the MOE Standard Table 1 soil quality criteria.
4. Metals were below the applicable MOE Standard Table 1 soil quality criteria with the exception of lead and zinc. Concentrations of lead in boreholes BH-6 (199 µg/g) and BH-19 (138 µg/g) exceeded the applicable MOE Standard Table 1 soil quality criteria of 120 µg/g. Concentrations of zinc in boreholes BH-2 (185 µg/g), BH-9 (172 µg/g), and BH-19 (176 µg/g) also exceeded the applicable MOE Standard Table 1 soil quality criteria of 160 µg/g.
5. VOCs parameter concentrations were less than the applicable MOE Table 1 soil quality criteria with the exception of toluene. Concentration of toluene in BH-3 (0.003 µg/g) exceeded the applicable MOE Standard Table 1 soil quality criteria of 0.002 µg/g.
6. There are no MOE Table 1 Standards for PHCs (F1 to F4) in soil. Detectable concentrations of PHCs (F3 and F4) were detected in soil samples from BH-10, BH-13, BH-14, and BH-15. Analytical results indicated that the concentration of PHC (F4) in borehole BH-10 (7,900 µg/g) was greater than the MOE Standard Table 2 criteria of 3,300 µg/g.
7. VOCs and PCB parameter concentrations in groundwater samples were all found less than the MOE Standard Table 1 groundwater quality criteria.
8. Analytical results for metals indicated that concentrations of cadmium, cobalt, copper, nickel, selenium, and zinc were greater than the applicable MOE Standard Table 1 groundwater quality criteria of 2.5 µg/L, 25 µg/L, 5 µg/L, and 20 µg/L, respectively
9. Concentrations of BTEX within the groundwater samples taken were all less than their respective MOE Table 1 Standards with the exception of toluene. Monitoring wells MW1 (1.0 µg/L), MW2 (1.9 µg/L), MW5S (2.2 µg/L), and MW5D (2.6 µg/L) were reported to have concentration of toluene greater than the applicable MOE Standard Table 1 groundwater criterion of 0.8 µg/L.
10. There are no MOE Table 1 Standards for PHCs in groundwater. Detectable concentrations of PHCs (F3 and F4) were found in the groundwater sample from monitoring well MW1 (340 µg/L and 840 µg/L, respectively). Analytical results indicated that the concentration of PHCs (F3 and F4) in MW1 was greater than the MOE Standard Table 2 groundwater quality criterion of 1,000 µg/L.

11. Analytical results for PAHs in monitoring wells MW4 and pre-existing BH5 indicated that all analyzed parameters were detected at concentrations either less than the laboratory method detection limit or less than the MOE Standard Table 1 groundwater quality criteria. Concentrations of PAHs in monitoring well MW1 exceeded the applicable MOE Standard Table 1 groundwater quality criteria for anthracene (0.10 µg/L), benzo(a)anthracene (0.48 µg/L), benzo(a)pyrene (0.522 µg/L), benzo(b)fluoranthene (0.72 µg/L), benzo(g,h,i)perylene (0.46 µg/L), benzo(k)fluoranthene (0.33 µg/L), chrysene (0.50 µg/L), indeno(1,2,3-cd)pyrene (0.48 µg/L), and pyrene (0.79 µg/L).

7. LIMITATIONS AND CONCLUSIONS

7.1 Limitations

The Phase II Environmental Site Assessment described herein was designed to further investigate the potential subsurface environmental impacts at the subject site known as the Baker Street Redevelopment Site property located at 55 Baker Street in Guelph, Ontario, Ontario.

The findings and conclusions regarding contamination of the subject property provided in this report are based solely on the extent of the data obtained during XCG's Phase II Environmental Site Assessment. As such, XCG cannot be held responsible for the accuracy of the results or findings previously identified by others.

The conclusions drawn from this Phase II Environmental Site Assessment were based on information at selected observation and 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 upon historical information, visual observations, and site accessibility. As such, XCG cannot be held responsible for environmental conditions at the 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 City of Guelph for the purpose of documenting environmental conditions at the subject property. This report may only be relied upon by the City of Guelph. Any use or reuse of this document (or the findings and conclusions represented herein), by parties other than those listed above, is at the sole risk of those parties.

This Investigation report may not be relied upon by others without the written concurrence of XCG.

7.2 Conclusions

The overall conclusions of this Phase II Environmental Site Assessment include:

1. Historical and ongoing on-site operations resulted in widespread soil and groundwater contamination with select metals, and localized VOC and PAH-related impacts. The concentrations of metals, VOCs, and PAHs in soil and/or groundwater exceed the applicable MOE Standard Table 1 criteria. In addition, the concentrations of select metals, PAHs, and PHCs in some soil and groundwater samples also exceeded the less stringent MOE Standard Table 2 criteria. The full extent or the significance of the identified soil and/or groundwater impacts have not been investigated and are currently unknown.
2. There is no evidence that historical operations of USTs for storage of petroleum hydrocarbon and/or formaldehyde conducted on adjacent properties resulted in on-site impacts to soil and groundwater quality.

TABLES

Table 1 Summary of Groundwater Levels

Monitoring Well	Top of Pipe Elevation (m)	Ground Surface Elevation (m)	Depth to Water (mbgs) December 4, 2008	Groundwater Elevation (m) December 4, 2008
MW1	98.635	98.635	3.510	94.855
MW2	98.450	98.450	7.610	90.840
MW3	98.135	98.190	8.965	89.945
MW4	97.845	98.520	7.585	90.935
MW5S	98.610	98.755	4.195	94.560
MW5D	98.650	98.755	7.695	91.060
MW6	98.230	98.355	3.365	94.990
BH2	98.600	98.645	8.145	90.500
BH5	99.115	99.270	7.135	92.135
6	98.500	98.500	3.870	94.630

Notes:
Groundwater elevations are calculated from top of pipe (TOP)
mbgs - metres below ground surface

Table 2 Summary of Analytical Results for Inorganics, Metals, Polychlorinated Biphenyls, and Petroleum Hydrocarbons in Soil

Parameter (µg/g)	RDL	MOE Table 1 Standards	MOE Table 2 Standards	BH-1 (SS4)	BH-2 (SS2)	BH-3 (SS2)	BH-4 (SS2)	BH-5 (SS2)	BH-6 (SS5)	BH-7 (SS2)	BH-8 (SS4)
				2.3 - 2.9 mbgs	0.8 - 1.4 mbgs	0.8 - 1.4 mbgs	0.8 - 1.4 mbgs	0.8 - 1.4 mbgs	3.1 - 3.7 mbgs	0.8 - 1.2 mbgs	2.3 - 2.9 mbgs
		All Other Types	Industrial/Commerical	3-Dec-08	2-Dec-08	27-Nov-08	26-Nov-08	25-Nov-08	25-Nov-08	25-Nov-08	25-Nov-08
Antimony	1	1	40	<1	<1	<1	>1	<1	<1	<1	<1
Arsenic	1	17	40	2	2	1	2	2	1	2	1
Selenium	1	1.9	10.0	<1	<1	<1	<1	<1	<1	<1	<1
Boron	0.1	NV	2	0.1	0.2	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Chromium (VI)	2	2.5	8	<2	<2	<2	<2	<2	<2	<0.2	<2
Mercury	0.05	0.23	10	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05
Barium	1	210	1,500	22	18	18	37	12	11	12	12
Beryllium	0.5	1.2	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium	0.5	1	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	1	71	750	8	8	7	12	5	4	6	5
Cobalt	1	21	80	4	3	3	6	2	2	2	2
Copper	1	85	225	10	8	8	11	5	4	8	6
Lead	1	120	1,000	9	9	14	12	15	199	18	8
Molybdenum	1	2.5	40	<1	<1	<1	<1	<1	<1	<1	<1
Nickel	1	43	150	7	5	5	11	4	3	4	3
Silver	0.2	0.42	40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium	1	2.5	32	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	1	91	200	10	15	8	14	6	4	5	4
Zinc	1	160	600	60	182	102	57	91	71	66	47
pH	0.01	NV	NV	7.86	7.74	7.97	8.19	8.16	8.15	8.31	8.47
PCBs	0.01	0.3	25	NA	NA	NA	<0.01	NA	NA	NA	<0.05
F1 (C6 - C10)	5	NV	230	<5	<5	<5	<5	NA	NA	NA	<5
F2 (C>10 - C16)	10	NV	150	<10	<10	<10	<10	NA	NA	NA	<10
F3 (C>16 - C34)	50	NV	1,700	<50	<50	<50	<50	NA	NA	NA	<50
F4 (C>34 - C50)	50	NV	3,300	<50	<50	<50	<50	NA	NA	NA	<50

Notes:

RDL	Report Detection Limit
mbgs	metres below ground surface
NV	No Value
NA	Not Analyzed
<	Below laboratory RDL
a	For surface soil (soil above 1.5 metres) with a pH less than 5 or greater than 9, the property is an environmentally sensitive area
MOE Table 1 Standards	Table 1 Ontario Ministry of the Environment's (MOE) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (March 9, 2004), Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition".
	Exceeds MOE Table 1 Standard for All Other Types of Property Uses
BOLD	Exceeds MOE Table 2 Standard for Industrial/Commercial/Community Property Use

Table 2 Summary of Analytical Results for Inorganics, Metals, Polychlorinated Biphenyls, and Petroleum Hydrocarbons in Soil

Parameter (µg/g)	RDL	MOE Table 1 Standards	MOE Table 2 Standards	BH-X-NOV25 - DUP of BH-8	BH-9 (SS3)	BH-10 (SS1)	BH-11 (SS2)	BH-12 (SS3)	BH-13 (SS3)	BH-14 (SS2)	BH-15 (SS1)	BH-16 (SS2)	BH-17 (SS3)	BH-18 (SS1)	BH-19 (SS2)
				2.3 - 2.9 mbgs	1.5 - 2.2 mbgs	0.0 - 0.6 mbgs	0.8 - 1.4 mbgs	1.5 - 2.2 mbgs	1.5 - 2.0 mbgs	0.8 - 1.4 mbgs	0.0 - 0.6 mbgs	0.8 - 1.4 mbgs	1.5 - 2.1 mbgs	0.0 - 0.6 mbgs	0.8 - 1.4 mbgs
		All Other Types	Industrial/Commerical	25-Nov-08	26-Nov-08	27-Nov-08	27-Nov-08	3-Dec-08	25-Nov-08	25-Nov-08	26-Nov-08	26-Nov-08	27-Nov-08	2-Dec-08	3-Dec-08
Antimony	1	1	40	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	1	17	40	1	2	2	1	2	1	2	4	3	<1	3	7
Selenium	1	1.9	10.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	0.1	NV	2	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.2	0.2	0.7	<0.1	0.4	0.2
Chromium (VI)	2	2.5	8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Mercury	0.05	0.23	10	<0.05	<0.05	<0.05	<0.05	<0.05	0.23	0.09	0.09	<0.05	<0.05	0.12	0.21
Barium	1	210	1,500	11	17	17	18	22	31	28	34	35	10	57	52
Beryllium	0.5	1.2	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium	0.5	1	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	1	71	750	6	7	6	8	8	4	7	9	12	5	13	13
Cobalt	1	21	80	2	3	3	3	4	1	2	3	5	2	6	6
Copper	1	85	225	6	8	11	8	9	7	16	22	11	6	23	35
Lead	1	120	1,000	14	13	17	11	10	35	29	52	16	6	105	138
Molybdenum	1	2.5	40	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel	1	43	150	3	5	5	5	6	2	4	7	9	3	10	12
Silver	0.2	0.42	40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium	1	2.5	32	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
Vanadium	1	91	200	4	7	8	9	11	3	10	13	17	12	21	19
Zinc	1	160	600	49	172	99	44	62	79	63	124	103	31	92	176
pH	0.01	NV	NV	8.27	8.02	10.5[a]	8.08	7.85	8.39	9.63[a]	8.03	7.73	8.1	7.51	NA
PCBs	0.01	0.3	25	<0.01	NA	NA	NA	NA	NA	NA	NA	<0.01	NA	NA	NA
F1 (C6 - C10)	5	NV	230	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C>10 - C16)	10	NV	150	<10	NA	<100	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C>16 - C34)	50	NV	1,700	<50	NA	1,300	<50	<50	56	<50	107	<50	<50	55	<50
F4 (C>34 - C50)	50	NV	3,300	<50	NA	**7,900**	<50	<50	600	56	900	<50	<50	<50	<50

Notes:

RDL	Report Detection Limit
mbgs	metres below ground surface
NV	No Value
NA	Not Analyzed
<	Below laboratory RDL
a	For surface soil (soil above 1.5 metres) with a pH less than 5 or greater than 9, the property is an environmentally sensitive area
MOE Table 1 Standards	Table 1 Ontario Ministry of the Environment's (MOE) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (March 9, 2004), Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition".
	Exceeds MOE Table 1 Standard for All Other Types of Property Uses
BOLD	Exceeds MOE Table 2 Standard for Industrial/Commercial/Community Property Use

Table 3 Summary of Analytical Results for Volatile Organic Compounds in Soil

Parameter (µg/g)	RDL	MOE Table 1 Standards	MOE Table 2 Standards	BH-1 (SS4)	BH-2 (SS2)	BH-3 (SS2)	BH-8 (SS4)	BH-X-NOV25 - DUP of BH-8	BH-12 (SS3)	BH-14 (SS2)	BH-19 (SS2)
				2.3 - 2.9 mbgs	0.8 - 1.4 mbgs	0.8 - 1.4 mbgs	2.3 - 2.9 mbgs	2.3 - 2.9 mbgs	1.5 - 2.2 mbgs	0.8 - 1.4 mbgs	0.8 - 1.4 mbgs
		All Other Types	Industrial/ Commerical	3-Dec-08	2-Dec-08	27-Nov-08	25-Nov-08	25-Nov-08	3-Dec-08	25-Nov-08	3-Dec-08
1,1,1,2-Tetrachloroethane	0.008	NV	0.019	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
1,1,2,2-Tetrachloroethane	0.004	0.004	0.01	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
1,1,1-Trichloroethane	0.008	0.009	26	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
1,1,2-Trichloroethane	0.002	0.002	0.28	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethane	0.002	0.002	3	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethylene	0.002	0.002	0.0024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichlorobenzene	0.002	0.002	0.88	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloroethane	0.002	0.002	0.22	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dibromoethane	0.004	0.004	0.0056	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
1,2-Dichloropropane	0.002	0.002	0.019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichlorobenzene	0.002	0.002	30	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,4-Dichlorobenzene	0.002	0.002	0.32	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Hexanone	0.2	NV	NV	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Acetone	0.5	NV	3.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	0.002	0.002	0.24	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane	0.005	NV	0.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	0.002	0.002	0.11	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromomethane	0.003	0.003	0.061	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Carbon Disulfide	0.02	NV	NV	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Carbon Tetrachloride	0.002	0.002	0.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorobenzene	0.002	0.002	2.4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroethane	0.03	NV	NV	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chloroform	0.006	0.006	0.13	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Chloromethane	0.03	NV	NV	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
cis-1,2-Dichloroethylene	0.02	NV	2.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
cis-1,3-Dichloropropene	0.003	0.003	0.0066	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Dibromomethane	0.01	NV	NV	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibromochloromethane	0.003	0.003	0.09	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Dichlorodifluoromethane	0.03	NV	NV	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichloromethane	0.003	0.003	1.1	<0.003	0.003	<0.003	<0.003	<0.003	<0.003	<0.004	<0.003
Ethylbenzene	0.002	0.002	0.28	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MTBE	0.2	NV	5.7	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
m+p-Xylenes	0.002	NV	NV	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methyl Ethyl Ketone	0.2	NV	0.27	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Isobutyl Ketone	0.2	NV	0.48	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-Xylene	0.002	NV	NV	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Styrene	0.002	0.002	1.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Tetrachloroethylene	0.002	0.002	0.45	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	0.002	0.002	2.1	<0.002	0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,2-Dichloroethylene	0.002	0.003	4.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,3-Dichloropropene	0.003	0.003	0.0066	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Trichloroethylene	0.004	0.004	1.1	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.004	<0.004
Trichlorofluoromethane	0.03	NV	NV	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Vinyl Chloride	0.003	0.003	0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Xylenes (Total)	0.002	0.002	25	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Notes:

RDL	Report Detection Limit
mbgs	meters below ground surface
NV	No Value
<	Below Laboratory RDL
MOE Table 1 Standards	Table 1 Ontario Ministry of the Environment's (MOE) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (March 9, 2004), Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition" for fine textured soils.
	Exceeds MOE Table 1 Standard for All Other Types of Property Uses
BOLD	Exceeds MOE Table 2 Standard for Industrial/Commercial/Community Property Use

Table 4 Summary of Analytical Results for Polycyclic Aromatic Hydrocarbons in Soil

Parameter (µg/g)	RDL	MOE Table 1 Standards	MOE Table 2 Standards	BH-3 (SS2)	BH-10 (SS1)	BH-11 (SS2)	BH-14 (SS2)
				0.8 - 1.4 mbgs	0.0 - 0.6 mbgs	0.8 - 1.4 mbgs	0.8 - 1.4 mbgs
		All Other Types	Industrial/ Commerical	27-Nov-08	27-Nov-08	27-Nov-08	25-Nov-08
1-Methylnaphthalene	0.05	0.26	1.20	<0.05	<0.05	<0.05	<0.05
2-Methylnaphthalene	0.05			<0.05	<0.05	<0.05	<0.05
Acenaphthene	0.05	0.07	15	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	0.05	0.08	130.00	<0.05	<0.05	<0.05	<0.05
Acridine	0.8	NV	NV	<0.8	<0.8	<0.8	<0.8
Anthracene	0.05	0.16	28.00	<0.05	<0.05	<0.05	<0.05
Benzo(a)anthracene	0.05	0.74	6.6	<0.05	<0.05	<0.05	0.14
Benzo(a)pyrene	0.02	0.49	1.9	<0.02	<0.02	<0.02	0.24
Benzo(b)fluoranthene	0.05	0.47	18	<0.05	<0.05	<0.05	0.18
Benzo(g,h,i)perylene	0.05	0.68	40	<0.05	<0.05	<0.05	0.22
Benzo(k)fluoranthene	0.05	0.48	18	<0.05	<0.05	<0.05	0.11
Chrysene	0.05	0.69	17	<0.05	<0.05	<0.05	0.18
Dibenzo(a,h)anthracene	0.05	0.16	1.9	<0.05	<0.05	<0.05	0.13
Fluoranthene	0.05	1.1	40	<0.05	<0.05	<0.05	0.19
Fluorene	0.05	0.12	340	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	0.05	0.38	19	<0.05	<0.05	<0.05	0.14
Naphthalene	0.05	0.09	4.6	<0.05	<0.05	<0.05	<0.05
Phenanthrene	0.05	0.69	40	<0.05	<0.05	<0.05	0.09
Pyrene	0.05	1	250	<0.05	<0.05	<0.05	0.17
Quinoline	0.05	NV	NV	<0.05	<0.05	<0.05	<0.05

Notes:

RDL	Report Detection Limit
mbgs	meters below ground surface
<	Below Laboratory RDL
NV	No Value
MOE Table 1 Standards	Table 1 Ontario Ministry of the Environment's (MOE) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (March 9, 2004), Full Depth Generic Site Condition Standards in a Potable Ground Water Condition".
	Exceeds MOE Table 1 Standard for All Other Types of Property Uses
BOLD	Exceeds MOE Table 2 Standard for Industrial/Commercial/Community Property Use

Table 5 Summary of Analytical Results for Inorganics, Metals, Polychlorinated Biphenyls, and Petroleum Hydrocarbons in Groundwater

Parameter (µg/L)	RDL	MOE Table 1 Standards	MOE Table 2 Standards	MW1	MW2	MW-X-99 - DUP of MW2	MW3	MW4	MW5S	MW5D	MW6	BH2	BH5	6
		All Other Types	Industrial/ Commercial	3-Dec-08	2-Dec-08	2-Dec-08	2-Dec-08	2-Dec-08	3-Dec-08	3-Dec-08	4-Dec-08	4-Dec-08	3-Dec-08	4-Dec-08
Antimony	5	6	6	<5	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Arsenic	1	25	25	<1	<1	<1	2	<1	<1	1	<1	<1	<1	<1
Barium	10	NV	1,000	270	600	590	590	90	**1,440**	480	260	990	140	310
Beryllium	1	4	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	50	200	5,000	80	120	110	60	60	100	150	60	<50	100	60
Cadmium	0.1	0.5	5	0.1	0.3	0.3	<0.1	1.3	0.8	<0.1	0.2	0.4	4.3	0.2
Chromium	1	8.9	50	4	2	2	6	8	5	4	1	3	5	3
Cobalt	0.5	0.9	100	2	2.3	2.2	1.2	1	4.4	1.8	2.7	1.4	<0.5	0.6
Copper	1	2.5	23	4	3	2	3	3	6	3	5	3	3	12
Lead	1	1	10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	7
Molybdenum	1	40	7,300	5	2	2	20	4	4	19	5	<1	2	<1
Nickel	2	25	100	9	19	19	10	6	20	10	11	30	6	11
Selenium	5	5	10	<5	<5	<5	<5	<5	<5	**6**	**6**	<5	<5	<5
Silver	0.1	0.25	1.2	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Sodium	50,000	NV	200,000	**290,000**	**1,160,000**	**1,140,000**	**2,340,000**	**4,600,000**	**3,600,000**	**2,600,000**	**390,000**	**1,760,000**	**1,100,000**	**3,900,000**
Thallium	0.3	0.5	2.0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Vanadium	1	6	200	1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1
Zinc	3	20	1,100	5	49	33	7	21	64	3	15	12	3	17
PCBs	0.02	0.1	0.2	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F1 (C6 - C10)	100	NV	1000[a]	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
F2 (C>10 - C16)	100	NV		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
F3 (C>16 - C34)	250	NV	1000[b]	340	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
F4 (C>34 - C50)	250	NV		840	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250

Notes:

RDL	Report Detection Limit
NV	No Value
NA	Not Analyzed
<	Below Laboratory RDL
a	The sum of F1 and F2 must be less than 1,000
b	The sum of F3 and F4 must be less than 1,000
MOE Table 1 Standards	Table 1 Ontario Ministry of the Environment's (MOE) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (March 9, 2004), Full Depth Generic Site Condition Standards in a Potable Ground Water Condition".
	Exceeds MOE Table 1 Standard for All Other Types of Property Uses
BOLD	Exceeds MOE Table 2 Standard for Industrial/Commercial/Community Property Use

Table 6 Summary of Analytical Results for Volatile Organic Compounds in Groundwater

Parameter (µg/L)	RDL	MOE Table 1 Standards	MOE Table 2 Standards	MW1	MW2	MW-X-99 - DUP of MW2	MW3	MW4	MW5S	MW5D	MW6	BH2	BH5	6
		All Other Types	Industrial/Commercial	3-Dec-08	2-Dec-08	2-Dec-08	2-Dec-08	2-Dec-08	3-Dec-08	3-Dec-08	4-Dec-08	4-Dec-08	3-Dec-08	3-Dec-08
1,1,1,2-Tetrachloroethane	0.5	5	5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.005	<0.05	NA
1,1,2,2-Tetrachloroethane	0.5	1	0.01	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,1,1-Trichloroethane	0.5	10	200	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,1,2-Trichloroethane	0.5	5	5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,2-Dibromoethane	0.5	1	1	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,1-Dichloroethane	0.5	70	70	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,1-Dichlorethylene	0.5	0.66	0.66	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,2-Dichlorobenzene	0.5	2.5	3	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,2-Dichloroethane	0.5	5	5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,2-Dichloropropane	0.5	0.7	5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,3-Dichlorobenzene	0.5	2.5	630.0	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
1,4-Dichlorobenzene	0.5	1	1	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA
2-Hexanone	20	NV	NV	NA	NA	NA	NA	<20	NA	NA	NA	<20	<20	NA
Acetone	20	NV	3,000	NA	NA	NA	NA	<20	NA	NA	NA	<20	<20	NA
Benzene	0.5	5	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	0.5	5	5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Bromoform	0.5	5	5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Bromomethane	0.5	0.9	3.7	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Carbon Disulfide	0.5	NV	N	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Carbon Tetrachloride	0.5	0.5	5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Chlorobenzene	0.5	15	30	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Chloroethane	1	NV	NV	NA	NA	NA	NA	<1	NA	NA	NA	<1	<1	NA
Chloroform	0.5	1	5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Chloromethane	1	NV	NV	NA	NA	NA	NA	<1	NA	NA	NA	<1	<1	NA
cis-1,2-Dichloroethylene	0.5	70	70	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
cis-1,3-Dichloropropene	0.5	1.4	1.4	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Dibromochloromethane	0.5	0.5	5.0	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Dichlorodifluoromethane	1	NV	NV	NA	NA	NA	NA	<1	NA	NA	NA	<1	<1	NA
Dichloromethane	0.5	50	50	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Ethylbenzene	0.5	2.4	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	0.6	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	20	350	350	NA	NA	NA	NA	<20	NA	NA	NA	<20	<20	NA
Methyl Isobutyl Ketone	20	NV	350	NA	NA	NA	NA	<20	NA	NA	NA	<20	<20	NA
MTBE	0.5	200	700	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Styrene	0.5	4	100	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Tetrachloroethylene	0.5	5	5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Toluene	0.5	0.8	24	1.0	1.9	1.7	0.6	<0.5	2.2	2.6	0.8	<0.5	<0.5	<0.5
trans-1,2-Dichloroethylene	0.5	100	100	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
trans-1,3-Dichloropropene	0.5	1.4	1.4	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Trichloroethylene	0.5	20	50	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Trichlorofluoromethane	1	NV	NV	NA	NA	NA	NA	<1	NA	NA	NA	<1	<1	NA
Trihalomethanes	2	NV	NV	NA	NA	NA	NA	<2	NA	NA	NA	<2	<2	NA
Vinyl Chloride	0.5	0.5	0.5	NA	NA	NA	NA	<0.05	NA	NA	NA	<0.5	<0.05	NA
Xylenes	1.5	72	300	<1.5	1.6	<1.5	<1.5	<1.5	2.9	3.3	<1.5	<1.5	<1.5	<1.5

Notes:

RDL	Report Detection Limit
NV	No Value
<	Below Laboratory RDL
MOE Table 1 Standards	Table 1 Ontario Ministry of the Environment's (MOE) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (March 9, 2004), Full Depth Generic Site Condition Standards in a Potable Ground Water Condition".
	Exceeds MOE Table 1 Standard for All Other Types of Property Uses
BOLD	Exceeds MOE Table 2 Standard for Industrial/Commercial/Community Property Use

Table 7 Summary of Analytical Results for Polycyclic Aromatic Hydrocarbons in Groundwater

Parameter (µg/L)	RDL	MOE Table 1 Standards	MOE Table 2 Standards	MW1	MW4	BH-5
		All Other Types	Industrial/Commercial	3-Dec-08	2-Dec-08	3-Dec-08
1-Methylnaphthalene	0.02	2.5	10.0	0.10	0.04	<0.02
2-Methylnaphthalene	0.02	2.5	10.0	0.12	0.04	<0.02
Acenaphthene	0.02	1	20	<0.02	<0.02	<0.02
Acenaphthylene	0.02	1	310	<0.06	<0.02	<0.02
Acridine	4	NV	NV	<4	<4	<4
Anthracene	0.02	0.05	12	0.10	<0.02	<0.02
Benzo(a)anthracene	0.02	0.1	0.2	**0.48**	<0.02	<0.02
Benzo(a)pyrene	0.005	0.005	0.01	**0.522**	<0.005	<0.005
Benzo(b)fluoranthene	0.02	0.05	0.2	**0.72**	<0.02	<0.02
Benzo(g,h,i)perylene	0.02	0.1	0.2	**0.46**	<0.02	<0.02
Benzo(k)fluoranthene	0.02	0.05	0.2	**0.33**	<0.02	<0.02
Chrysene	0.02	0.05	0.5	0.50	<0.02	<0.02
Dibenzo(a,h)anthracene	0.02	0.1	0.2	0.05	<0.02	<0.02
Fluoranthene	0.02	1	130	0.77	<0.02	<0.02
Fluorene	0.02	1	280	0.10	0.03	<0.02
Indeno(1,2,3-cd)pyrene	0.02	0.1	0.2	**0.48**	<0.02	<0.02
Naphthalene	0.02	7	21	0.12	0.02	<0.02
Phenanthrene	0.02	1	63	0.48	0.19	<0.02
Pyrene	0.02	0.05	40	0.79	<0.02	<0.02
Quinoline	0.02	NV	NV	<0.03	<0.02	<0.02

Notes:

RDL	Report Detection Limit
NV	No Value
<	Below Laboratory RDL
MOE Table 1 Standards	Table 1 Ontario Ministry of the Environment's (MOE) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (March 9, 2004), Full Depth Generic Site Condition Standards in a Potable Ground Water Condition".
	Exceeds MOE Table 1 Standard for All Other Types of Property Uses
BOLD	Exceeds MOE Table 2 Standard for Industrial/Commercial/Community Property Use

Table 8 Summary of Analytical Results for O. Reg. 558 in Soil

Parameter (µg/g)	MOE Schedule 4 Leachate Quality	RDL	TCLP
	Industrial / Commercial		Composite Sample
			2-Dec-08
Metals & Conventionals			
Fluoride	150	10	<10
Cyanide	20	0.002	<0.002
Mercury	0.1	0.0001	<0.0001
Nitrite	N/V	2	<2
Nitrate	N/V	2	<2
Nitrate + Nitrite	1,000	4	<4
Leachable Metals			
Silver	5	0.001	<0.001
Arsenic	2.5	0.01	<0.01
Boron	500	0.5	<0.5
Barium	100	0.1	0.8
Cadmium	0.5	0.001	0.003
Chromium	5	0.01	<0.01
Lead	5	0.01	0.04
Selenium	1	0.05	<0.05
Uranium	10	0.05	<0.05
PCBs			
Total PCBs	0.3	0.0002	<0.0002
VOCs			
1,1-Dichloroethylene	0.05	1.4	<0.05
1,2-Dichlorobenzene	0.05	20	<0.05
1,2-Dichloroethane	0.05	0.5	<0.05
1,4-Dichlorobenzene	0.05	0.5	<0.05
Benzene	0.05	0.5	<0.05
Carbon Tetrachloride	0.05	0.5	<0.05
Chlorobenzene	0.05	8	<0.05
Chloroform	0.05	10	<0.05
Dichloromethane	0.05	5	<0.05
Methyl Ethyl Ketone	2	200	<2
Tetrachloroethylene	0.05	3	<0.05
Trichloroethylene	0.05	5	<0.05
Vinyl Chloride	0.1	0.2	<0.1

Notes:

RDL	Reportable Detection Limit
<	Below laboratory RDL
MOE Schedule 4 Leachate Quality	MOE O. Reg. 558/00 Schedule 4 Leachate Quality Critieria Standards
mbgs	meters below ground surface
Bold	Exceeds MOE Schedule 4 Leachate Quality

FIGURE 1

WYNDHAM STREEET NORTH

CARDIGAN STREET

GROUNDWATER FLOW INFERRED DIRECTION OF

WELLINGTON COUNTY MUNICIPAL BUILDING

COMMERCIAL & RESIDENTIAL

DELI

CORIANDER

SHOES

RETAIL

BANK

HEALTH CENTRE

BAR

ART SUPPLIES

CONVENIENCE STORE

OFFICES & APARTMENTS

FUEL OIL UST (1960 FIP)

GASOLINE USTs (1960 FIP)

FORMER GASOLINE SERVICE STATION (1960 FIP)

SPA

OFFICE

GARAGE (1960 FIP)

GARAGE (1960 FIP)

COKE STORAGE (1907 FIP)

OIL SHED (1907 FIP)

DRY KILN (1907 FIP)

TRANSFORMERS

PARK LANE

DRIVE SHED (1907 FIP)

WOOLWICH STREET

LUMBER PILES (1907 FIP)

OFFICE

RESTAURANT

PARKING

APARTMENTS & COMMERCIAL

FACTORY (1907 FIP)

CANOPY

BUILDING

CANOPY

AST (1907 FIP)

OIL SHED (1907 FIP)

VICTORIA RINK

CHAPEL LANE

TAILOR

CHALMERS UNITED CHURCH

MASON HALL

YARMOUTH STREET

VACANT

OFFICES

FUEL OIL UST (1946 FIP)

PARKING

SPA

GASOLINE UST (1946 FIP)

FORMER FUNERAL HOME WITH FORMALDEHYDE UST (1960's)

BAKER STREET

KNOX PRESBYTERIAN CHURCH

QUEBEC STREET

OFFICE & APARTMENT BUILDING

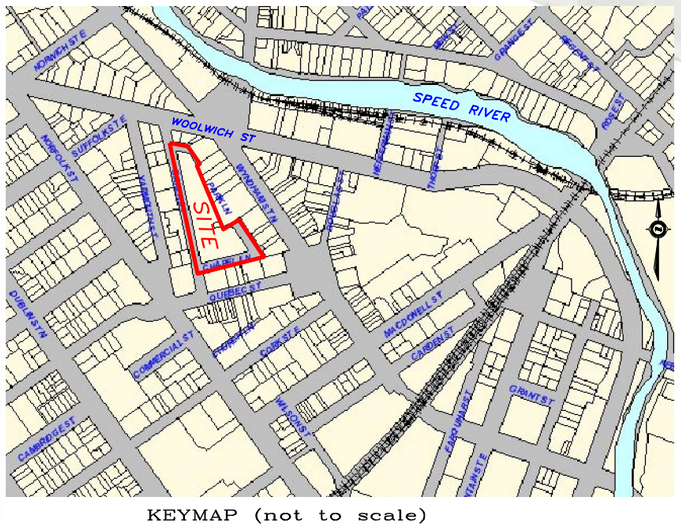
GASOLINE UST (1946 FIP)

BH-19-MW6
BH-18-MW1
BH-2
BH-1
BH-12
BH-17-MW5D
BH-17-MW5S
BH-3
BH-4
BH-10
BH-11
BH-14
BH-15-MW3
BH-5
BH-16-MW2
BH-9
BH-6
BH-8-MW4
BH-13
BH-7

BH1
BH2
BH3
BH4
BH5
BH6
BH7
BH8
BH9

6
5
4 (DRY)
3
2 (PAVED OVER)
1

SA9
SA10
CB
CB



KEYMAP (not to scale)

LEGEND:

- SUBJECT PROPERTY BOUNDARY
- BH9 MONITORING WELL (JW)
- BH8 BOREHOLE (JW)
- 6 MONITORING WELL (KEWEN)
- 5 BOREHOLE (KEWEN)
- SA10 SOIL SAMPLE (XCG)
- HISTORICAL FEATURE
- BH-19-MW6 NEW XCG MONITORING WELL
- BH-14 NEW XCG BOREHOLE

NOTE;
ALL LOCATIONS ARE APPROXIMATE.

APPROXIMATE SCALE:

0 10 20 30 40 50m

0 50 100 150ft

DRAWING REFERENCE: Based on images from maps.guelph.ca, fire insurance plans, Jacques Whitford figure, Kewen Environmental figure, and XCG field notes.
NOTE: Locations of buildings, underground utilities, etc. are for reference only and should not be relied upon for detail design, excavation, or construction purposes.

(file: R569817020001fig01.dwg)

XCG SAMPLING LOCATIONS, HISTORICAL LAND USE, AND PREVIOUS INVESTIGATIONS

BAKER STREET PARKING LOT
BAKER ST. & CHAPEL LN.
GUELPH, ONTARIO

XCG CONSULTANTS LTD.

DATE	JOB NO.	FIGURE NO.
DEC. 2008	5-698-17-02	1

APPENDIX A

PRIVATE LOCATE SURVEY REPORT

LOCATE REQUEST FORM

Gas – yellow
Hydro – red
Communications – orange
Water – blue
Storm/sewer – green
Construction – White

5274 County Road 27
R.R. # 1
Rockwood, Ontario
Canada
N0B 2K0
Tel. (519) 856-1409
Fax. (519) 856-9182

LOCATION BAKER ST P LOT GUELPH		PO#	REQUEST#
AREA P LOT	REQUESTED BY XCEL	CONTACT NAME ERIKA	DATE NOV 20/08
NATURE OF WORK B HOLES (14) (15)			PHONE# 741-5774

"CAUTION"

HAND DIG WITHIN 1 METRE EITHER SIDE OF LOCATE MARKINGS
Depth of plant varies and must be clarified by hand digging. This locate is based on information given at the time. If site conditions change or past 30 days, a new locate must be obtained.

Method of Marking: Paint ☒ Flags ☐ Stakes ☐ Chalk ☐ Measurements ☐

LEGEND	
hydro cable	–H–
street light	–SL–
gas line	–G–
bell cable	–B–
TV cable	–TV–
fibre optics	–F–
water line	–W–
storm line	–STM–
sewer line	–SAN–
conduit	–C–
unknown	–?–
property line	PL
curb	C
sidewalk	SW
fence line	–FL–
work area	WA
driveway	DW
hydro pole	○
limit of locate	LOL
bldg line	–BL–
manhole	MH
pedestal	□
hydrant	-○-
transformer	◪
road edge	RE
centre line	℄
catch basin	CB

sketch is not drawn to scale

LUKE (15)

LOCATE & CLEAN B.H. LOCATIONS IN PARKING LOT (MARKED ORANGE X) APPROX 13-14

- STM & WATER MARKED
- CAUTION OF NUMEROUS O/H LINES

* POWER TO PARKING CONTROL BOXES

North Arrow

a copy of this locate report must be on-site with the machine operators during work operations

Comments: ONT 1 CALL ✓
LUKE RECALL 1 CALL AREA OUTSIDE P LOT.

Signature received by: [signature] Company: XCEL-T Located by: Mike C Date: NOV 20/08

Disclaimer: This locate is not a substitute for locates required by law such as Ontario One Call and various independent utility services. Each excavator making an excavation is required by law to contact all public utilities prior to digging.

White Copy - Customer

LOCATE REQUEST FORM

Gas – yellow
Hydro – red
Communications – orange
Water – blue
Storm/sewer – green
Construction – White

5274 County Road 27
R.R. # 1
Rockwood, Ontario
Canada
N0B 2K0
Tel. (519) 856-1409
Fax. (519) 856-9182

LOCATION	BAKER ST P LOT GUELPH			PO#	REQUEST#
AREA	PLOT	REQUESTED BY	XCG.	CONTACT NAME LUKE	DATE NOV 28/08
NATURE OF WORK	BH				PHONE#

"CAUTION"

HAND DIG WITHIN 1 METRE EITHER SIDE OF LOCATE MARKINGS
Depth of plant varies and must be clarified by hand digging. This locate is based on information given at the time. If site conditions change or past 30 days, a new locate must be obtained.

Method of Marking: Paint ☒ Flags ☐ Stakes ☐ Chalk ☐ Measurements ☐

LEGEND	
hydro cable	–H–
street light	–SL–
gas line	–G–
bell cable	–B–
TV cable	–TV–
fibre optics	–F–
water line	–W–
storm line	–STM–
sewer line	–SAN–
conduit	–C–
unknown	–?–
property line	PL
curb	C
sidewalk	SW
fence line	–FL–
work area	WA
driveway	DW
hydro pole	○
limit of locate	LOL
bldg line	–BL–
manhole	MH
pedestal	□
hydrant	-○-
transformer	⧈
road edge	RE
centre line	℄
catch basin	CB

sketch is not drawn to scale

- LOCATE "4" AREAS FOR BOREHOLES
PUBLIC LANE
NOTE STM GAS
* B.H. AT 176 WYNDHAM & 1H HYDRO
ONT 1 CALL COMPLETE

North Arrow

a copy of this locate report must be on-site with the machine operators during work operations

Comments: _____

Signature received by: X [signature] Company: X XCG Located by: mike C Date: Nov 28/08

Disclaimer: This locate is not a substitute for locates required by law such as Ontario One Call and various independent utility services. Each excavator making an excavation is required by law to contact all public utilities prior to digging.

White Copy - Customer

LOCATE REQUEST FORM

Gas – yellow
Hydro – red
Communications – orange
Water – blue
Storm/sewer – green
Construction – White

5274 County Road 27
R.R. # 1
Rockwood, Ontario
Canada
N0B 2K0
Tel. (519) 856-1409
Fax. (519) 856-9182

LOCATION Baker St. Parking Lot.		PO#	REQUEST#
AREA P. Lot.	REQUESTED BY XCG	CONTACT NAME Luke	DATE 12/03/08
NATURE OF WORK Boreholes			PHONE# 519 577 7485

"CAUTION"

HAND DIG WITHIN 1 METRE EITHER SIDE OF LOCATE MARKINGS
Depth of plant varies and must be clarified by hand digging. This locate is based on information given at the time. If site conditions change or past 30 days, a new locate must be obtained.

Method of Marking Paint ☑ Flags ☐ Stakes ☐ Chalk ☐ Measurements ☐ Nº 5142

LEGEND	
hydro cable	–H–
street light	–SL–
gas line	–G–
bell cable	–B–
TV cable	–TV–
fibre optics	–F–
water line	–W–
storm line	–STM–
sewer line	–SAN–
conduit	–C–
unknown	–?–
property line	PL
curb	C
sidewalk	SW
fence line	–FL–
work area	WA
driveway	DW
hydro pole	○
limit of locate	LOL
bldg line	–BL–
manhole	MH
pedestal	□
hydrant	-○-
transformer	◪
road edge	RE
centre line	℄
catch basin	CB

sketch is not drawn to scale

Final Bore hole area has been cleared of possible UST + any buried utilities.

North Arrow

a copy of this locate report must be on-site with the machine operators during work operations

Comments: 2 hr locate

Signature received by: [signature] Company: XCG Located by: [signature] Date: 12/03/08

Disclaimer: This locate is not a substitute for locates required by law such as Ontario One Call and various independent utility services. Each excavator making an excavation is required by law to contact all public utilities prior to digging.

White Copy - Customer

APPENDIX B

BOREHOLE LOGS

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-1

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: December 3, 2008
Completed: December 3, 2008

Checked By: EF
Logged By: LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0	1	AS	AS	ND		***ASPHALT***	
1						***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	-0.46
2							
3 / 1	2	5	60	0.5		***SW - SAND (FILL)*** Brown, moist, no odour or staining.	
4							
5							
6 / 2	3	9	60	0.3			-2.13
7							
8	4	9	20	1.2		***SM - SILTY SAND*** Brown, damp, no odour or staining.	
9							
10 / 3							-3.20
11	5	29	20	ND		***GW - ANGULAR GRAVEL AND SAND*** Brown, dry, no odour or staining.	
12							-3.96
13 / 4	6	31	40	ND		***ML - SILT*** Brown, dry, no odour or staining.	
14							
15							
16 / 5	7	39	40	ND			
17							
18	8	40	60	ND			
19							
20 / 6							
21	9	50+	10	ND			
22						Auger refusal at 7.01m, gravel, no odour or staining.	-7.01
23 / 7	10	50+	10	ND		***BEDROCK (LIMESTONE)***	
24						End of Borehole	
25							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-10

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 27, 2008 **Checked By:** EF
Completed: November 27, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0						***ASPHALT***	-0.03
						SW - SAND AND GRAVEL (FILL) Brown, dry, some small gravel (1cm diameter), no odour or staining.	
1	1	AS	AS	ND			
2						Auger refusal at 0.76m, possible boulder or concrete.	-0.76
						End of Borehole	
3							
1							
4							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-11

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 27, 2008 **Checked By:** EF
Completed: November 27, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0						***ASPHALT***	
1	1	AS	AS	ND		***SW - SAND (FILL)*** Brown, dry, no odour or staining.	
2							
3 / 1	2	14	40	0.7			
4							
5							-1.52
6 / 2	3	38	40	0.4		***SW - SAND*** Light brown, moist, no odour or staining.	
7							
8	4	50+	70	ND			
9							
10 / 3						Some small gravel, dry, no odour or staining.	
11	5	50+	30	ND			
12							-3.66
13 / 4						***ML - SILT*** Light brown, dry, no odour or staining.	
14	6	50+	20	ND			
15							-4.57
	7	50+	5	ND		***BEDROCK (LIMESTONE)*** Dry, auger refusal.	-4.72
16 / 5						End of Borehole	
17							
18							
19							
20 / 6							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-12

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: December 3, 2008
Completed: December 3, 2008
Checked By: EF
Logged By: LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0	1	AS	AS	ND		***ASPHALT***	
1						***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour staining.	-0.61
2							
3 / 1	2	2	50	0.4		***SW - SAND (FILL)*** Brown, moist, no odour or staining.	
5							
6 / 2	3	6	60	0.8			-2.13
7						***SM - SILTY SAND*** Brown, moist, no odour or staining.	
8	4	11	60	ND			-2.74
9							
10 / 3						***SW - SAND AND GRAVEL*** Brown, dry, trace silt, no odour or staining.	
11	5	16	20	ND		Grey at 3.35 m, no odour or staining.	-3.66
12							
13 / 4	6	30	40	ND		***ML - SILT*** Brown, dry, hard, no odour or staining.	
14							
15							
16 / 5	7	39	40	ND			
17							
18	8	37	60	ND			
19							
20 / 6							
21	9	45	10	ND			
22							
23 / 7	10	50+	10	ND		Auger refusal at 7.16m, possible bedrock (limestone).	-7.16
24						End of Borehole	

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-13

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 25, 2008 **Checked By:** EF
Completed: November 25, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0						***ASPHALT***	
1	1	AS	AS	ND		***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	
2							-0.61
3 / 1						***SW - SAND AND GRAVEL (FILL)*** Brown, very hard, dry, no odour or staining.	
	2	50+	30	ND			-1.07
4						***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	
5							
6	3	50+	20	0.6		Auger refusal at 2.0m, possible boulder or concrete, white powder on split spoon.	-1.98
7 / 2						End of Borehole	
8							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-14

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 25, 2008 **Checked By:** EF
Completed: November 25, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0						***ASPHALT***	
1	1	AS	AS	ND		***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	-0.61
2						***SW - SAND AND GRAVEL (FILL)*** Brown, very hard, red brick fragments, dry, no odour or staining.	
3 / 1	2	25	30	0.6			
4							
5							-1.52
	3	50+	5	ND		***GW - GRAVEL (FILL)*** Red brick fragements, dry, no odour or staining. Auger refusal at 1.83m, possible concrete or boulder.	-1.83
6						End of Borehole	
7 / 2							
8							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF WELL: BH-15-MW3

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Augers and Tri-Cone Coring
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm Auger /100 mm Coring
Start Date: November 28, 2008 **Checked By:** EF
Completed: December 1, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery (%)	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)	Well Completion	Well Details
						Ground Surface	0.0		
0 / 0	1	AS	AS	0.6		***ASPHALT***		Concrete	Flush Mount Steel Casing
2						***SW - SAND AND GRAVEL (FILL)*** Black brown, dry, no odour or staining.	-0.9		
4	2	4	50	ND		***SW - SAND (FILL)*** Brown, dry, no odour or staining.			
6 / 2	3	10	60	ND			-2.1		
8	4	35	70	ND		***SW - SAND AND GRAVEL*** Brown, dry, no odour or staining.		Bentonite	
10	5	33	20	0.2			-3.4		
12						***SW - SAND AND GRAVEL*** Grey brown, mixed angular gravel, dry, no odour or staining.			
14 / 4	6	21	30	ND			-4.6		
16	7	29	10	ND		***SW - SAND AND GRAVEL*** Brown, trace limestone at 4.6m.	-4.9		
18						***BEDROCK (LIMESTONE)*** White, dry, no odour or staining.			
20 / 6						***BEDROCK (LIMESTONE)*** Air tri-cone coring.		#3 Silca Sand	5cm Dia. Slot 10 Screen
22									
24									
26 / 8									
28									
30							-9.3		
						End of Borehole			

Groundwater Elevation: 89.945m
T.O.P Elevation: 98.135m

Screening Tool: Photovac 2020 PID

Monitoring Well Log

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF WELL: BH-16 - MW2

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger and Tri-Cone Coring
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm Auger/100 mm Coring
Start Date: November 26, 2008 **Checked By:** EF
Completed: November 28, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery (%)	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)	Well Completion	Well Details
						Ground Surface	0.0		
0 / 0	1	AS	AS	ND		***ASPHALT***		Concrete	Flush Mount Steel Casing
2						***SW - SAND AND GRAVEL (FILL)*** Black brown, dry, no odour or staining.	-0.6		
4	2	3	50	1.1		***SM - SILTY SAND (FILL)*** Brown, dry, trace gravel, no odour or staining.	-1.5		
6 / 2	3	38	25	ND		***SW - SAND AND GRAVEL*** Brown, small gravel 5mm, dry, no odour or staining.		Bentonite	
8	4	22	25	ND		Angular gravel layer from 2.4 to 2.5m.			
10	5	14	20	ND			-3.4		
12 / 4						***GM - SILTY SAND AND GRAVEL*** Brown, dry, no odour or staining.			
14	6	16	30	ND			-4.6		
16	7	50+	10	ND		***SW - SAND AND GRAVEL*** Brown, white limestone from 4.8 to 4.9m, dry, no odour or staining.	-4.9		
18						***BEDROCK (LIMESTONE)*** Air tri-cone coring.		#3 Silca Sand	
20 / 6									5cm Dia. Slot 10 Screen
22									
24									
26 / 8									
28							-8.9		
30						End of Borehole			

Groundwater Elevation: 90.840m
T.O.P Elevation: 98.450m

Screening Tool: Photovac 2020 PID

Monitoring Well Log

XCG Consultants Ltd.

Project #: 5-698-17-02

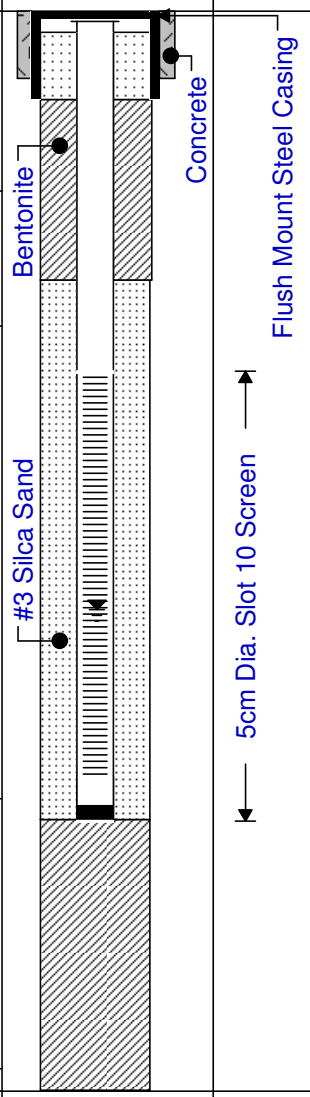
Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF WELL: BH-17-MW5S

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Augeres
Sample Method: Hollow Stem Auger

Borehole Diameter: 203 mm
Start Date: November 27, 2008
Completed: November 27, 2008
Checked By: EF
Logged By: LT

Depth (ft / m)	Sample No.	N-Value	Recovery (%)	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)	Well Completion	Well Details
						Ground Surface	0.0		
0 / 0	1	AS	AS	ND		***ASPHALT***			
						SW - SAND AND GRAVEL (FILL) Black brown, dry, no odour or staining.			
2	2	3	50	0.2			-1.2		
4						***SM - SILTY SAND (FILL)*** Brown, dry, trace gravel, no odour or staining.			
6 / 2	3	9	25	0.4			-2.1		
8	4	8	25	ND		***SM - SILTY SAND*** Brown, dry, no odour or staining.			
10	5	19	20	ND		Wet from 3.4 to 5.3m, no odour or staining.			
12 / 4	6	30	30	ND					
14									
16	7	13	10	ND			-5.3		
18	8	29	20	ND		***ML - SILT*** Grey, dry, no odour or staining.			
20 / 6	9	28	50	ND					
22									
	10	28	30	ND		Auger refusal at 7.3m.	-7.2		
24						***BEDROCK (LIMESTONE)***			
						End of Borehole			



Groundwater Elevation: 94.560m
T.O.P Elevation: 98.610m

Screening Tool: Photovac 2020 PID

Monitoring Well Log

XCG Consultants Ltd.

Project #: 5-698-17-02

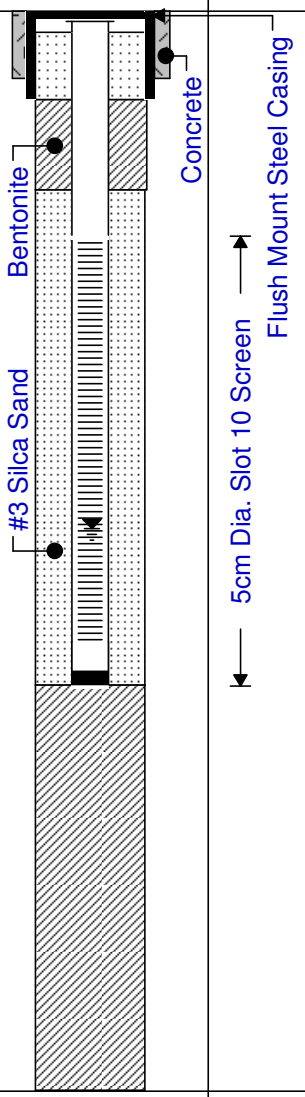
Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF WELL: BH-18-MW1

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split Spoon Method

Borehole Diameter: 203 mm
Start Date: December 2, 2008
Completed: December 2, 2008
Checked By: EF
Logged By: LT

Depth (ft / m)	Sample No.	N-Value	Recovery (%)	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.0
0 / 0	1	AS	AS	1.5		***ASPHALT***	
2						***SW - SAND AND GRAVEL (FILL)*** Black to grey, black sand and trace brick fragments, moist, no odour or staining.	
4	2	4	50	1.2			-1.2
6 / 2	3	4	25	0.6		***SW - SAND (FILL)*** Brown, moist to wet, no odour or staining. Wet at 1.7 metres.	-2.1
8	4	10	25	ND		***SM - SILTY SAND*** Brown, moist to wet, no odour or staining.	
10	5	50+	20	ND		Dry at 3.7m, no odour or staining.	-3.8
12 / 4	6	26	30	ND		***ML - SILT*** Brown to grey, dry, no odour or staining.	
14							
16	7	50+	10	ND			
18	8	50+	20	ND			
20 / 6	9	50+	50	ND			
22	10	50+	30	ND		Auger refusal at 7.3m, some gravel.	-7.3
24						End of Borehole	



Groundwater Elevation: 94.855m
T.O.P Elevation: 98.365m

Screening Tool: Phtotovac 2020 PID

Monitoring Well Log

XCG Consultants Ltd.

Project #: 5-698-17-02

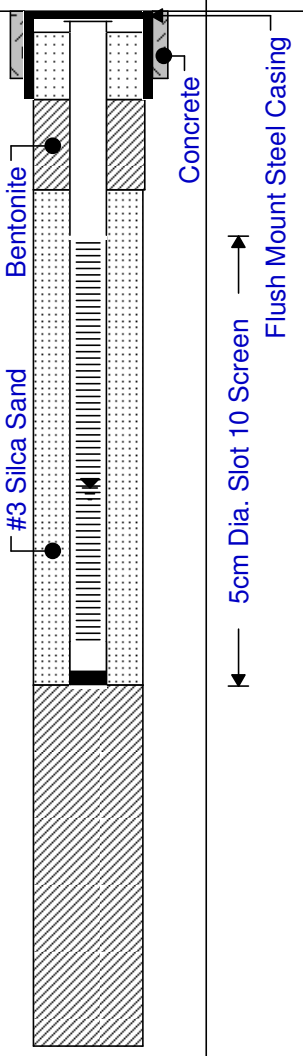
Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF WELL: BH-19-MW6

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Augers
Sample Method: Split Spoon Method

Borehole Diameter: 203 mm
Start Date: December 3, 2008
Completed: December 3, 2008
Checked By: EF
Logged By: LT

Depth (ft / m)	Sample No.	N-Value	Recovery (%)	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)	Well Completion	Well Details
						Ground Surface	0.0		
0 / 0	1	AAS	AS	ND		***ASPHALT***			
2						***SW - SAND AND GRAVEL (FILL)*** Brown grey, moist, trace brick fragments, no odour or staining	-0.6		
4	2	4	60	0.8		***SW - SAND AND GRAVEL (FILL)*** Black brown, moist, brick fragments, no odour or staining.			
6 / 2	3	5	60	0.3		White cake fill 1.8m to 2.1m.	-2.1		
8	4	25	20	ND		***SW - SAND*** Brown, wet, no odour or staining.			
10	5	32	20	ND		Grey at 3.4m, no odour or staining.	-3.7		
12 / 4	6	40	40	ND		***ML - SILT*** Brown, dry, hard, no odour or staining.			
14									
16	7	40	40	ND					
18	8	50+	60	ND					
20 / 6	9	50+	10	ND					
22						Auger refusal at 7.2m.	-7.0		
	10	50+	10	ND		***BEDROCK (LIMESTONE)*** Dry, no odour or staining.			
24						End of Borehole			



Groundwater Elevation: 94.990m
T.O.P Elevation: 98.230m

Screening Tool: Photovac 2020 PID

Monitoring Well Log

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-2

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: December 2, 2008
Completed: December 2, 2008
Checked By: EF
Logged By: LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0	1	AS	AS	ND		***ASPHALT***	
1						***SW - SAND AND GRAVEL (FILL)*** Brown, wet, no odour or staining.	-0.61
2							
3 / 1	2	4	60	0.8		***SW - SAND AND GRAVEL (FILL)*** Brown, moist, no odour or staining.	
4							
5							-1.52
6 / 2	3	4	60	0.3		***SW - SAND (FILL)*** Brown, wet, no odour or staining.	
7							-2.44
8	4	23	20	ND		***GW - ANGULAR GRAVEL AND SAND*** Grey, dry, no odour or staining.	-2.74
9 / 3						***SW - SAND AND GRAVEL*** Brown, dry, 2cm of gravel, no odour or staining.	
10	5	18	20	ND		Grey at 3.35m, no odour or staining.	-3.66
11						***ML - SILT*** Brown, dry, hard, no odour or staining.	
12 / 4	6	16	40	ND			
13							
14							
15 / 5	7	50+	40	ND			
16							
17							
18 / 6	8	50+	60	ND			
19							
20							
21	9	50+	10	ND			
22							
23 / 7	10	50+	-	ND		Auger refusal at 7.16m.	-7.01
						BEDROCK (LIMESTONE)	
24						End of Borehole	
25							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

For Environmental Purposes Only

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-3

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 27, 2008 **Checked By:** EF
Completed: November 27, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0						***ASPHALT***	
1	1	AS	AS	ND		***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	
2							
3 / 1	2	9	60	0.7			
4							
5							
6 / 2	3	6	60	0.2			
7							
8	4	25	20	ND			
9							
10 / 3							-3.05
11	5	50+	50	ND		***SM - SILTY SAND*** Brown, moist to dry, some small gravel, no odour or staining.	
12							-3.96
13 / 4	6	50+	40	ND		***GM - SILTY GRAVEL*** Brown, very hard, dry, no odour or staining.	
14							-4.57
15							
16 / 5	7	33	30	ND		***ML - SILT*** Dark grey, dry, no odour or staining.	
17							-5.33
18	8	38	20	ND		***ML - SILT*** Brown, moist to wet, no odour or staining.	
19							
20 / 6							
21	9	50+	10	ND		Auger refusal at 6.55m.	-6.55
22						End of Borehole	
23 / 7							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-4

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 26, 2008 **Checked By:** EF
Completed: November 26, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0						***ASPHALT***	
1	1	AS	AS	ND		***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	-0.46
2						***ML - SILT*** Brown, dry, no odour or staining.	
3 / 1	2	11	60	0.5			
4							
5							
6 / 2	3	17	60	0.2			
7							
8	4	50+	40	ND			
9							
10 / 3							
11	5	50+	50	ND		Grey brown at 3.35m, very dry, angular gravel, no odour or staining.	
12							
13 / 4	6	32	20	ND			
14							
15							
16 / 5	7	50+	40	ND			
17							-5.18
						SW - SAND AND GRAVEL Auger refusal at 5.33m.	-5.33
18						***BEDROCK (LIMESTONE)***	
19						End of Borehole	
20 / 6							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

For Environmental Purposes Only

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-5

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 25, 2008 **Checked By:** EF
Completed: November 25, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0						***ASPHALT***	
1	1	AS	AS	0.2		***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	-0.61
2						***SW - SAND AND GRAVEL (FILL)*** Brown, grey, dry, trace red brick fragments, no odour or staining.	
3 / 1	2	6	40	0.8			
4							
5	3	50+	2	ND		Auger refusal at 1.68m, possible concrete.	-1.62
6						End of Borehole	
7 / 2							
8							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-6

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 25, 2008 **Checked By:** EF
Completed: November 25, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0	1	AS	AS	ND		***ASPHALT***	
1						***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	-0.61
2						***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	
3 / 1	2	5	70	ND			
5							
6 / 2	3	8	60	0.7			-2.13
7						***SW - SAND*** Brown, dry, no odour or staining.	
8	4	13	50	ND			
9							
10 / 3							
11	5	33	30	0.5		Same as above.	
12							
13 / 4	6	45	20	ND			-4.27
14						***BEDROCK (LIMESTONE)*** Dry, no odour or staining.	-4.42
15						End of Borehole	
16 / 5							
17							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

For Environmental Purposes Only

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-7

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 25, 2008 **Checked By:** EF
Completed: November 25, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0						***ASPHALT***	
						SW - SAND AND GRAVEL (FILL) Brown, dry, no odour or staining.	
1	1	AS	AS	ND			
							-0.61
2						***SW - SAND AND GRAVEL (FILL)*** Brown, angular gravel, very hard, some white powder at 0.91m, stone or bedrock, dry, no odour or staining.	
3 / 1	2	50+	20	ND			
4						Auger refusal at 1.22m, possible boulder or concrete, white powder in split spoon.	-1.22
						End of Borehole	
5							
6							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

For Environmental Purposes Only

XCG Consultants Ltd.

Project #: 5-698-17-02

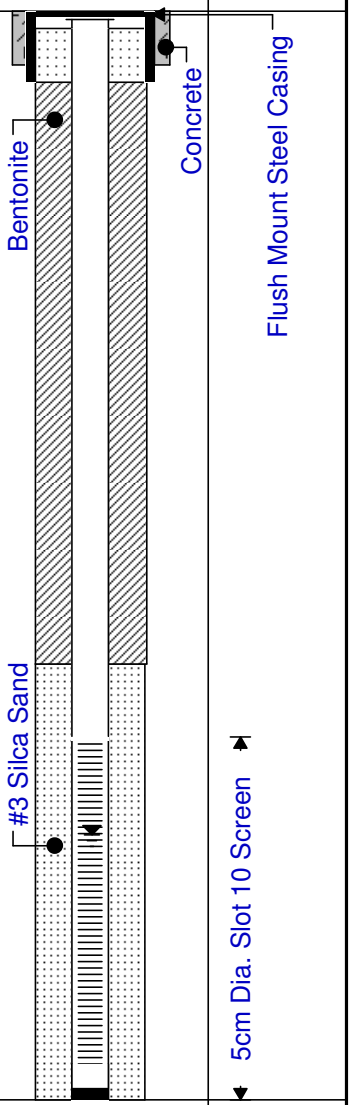
Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF WELL: BH-8-MW4

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger and Tri-Cone Coring
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm Auger / 100 mm Coring
Start Date: November 25, 2008 **Checked By:** EF
Completed: November 28, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery (%)	Vapour Conc (ppm)	Geology Description	Depth/Elev (m)
					Ground Surface	0.0
0 / 0	1	AS	AS	ND	***ASPHALT***	
2					***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	-0.6
4	2	9	70	ND	***SW - SAND*** Light brown, dry, no odour or staining.	
6 / 2	3	16	60	0.5		
8	4	29	50	11		-2.7
10	5	17	40	0.5	***SW - SAND AND GRAVEL*** Brown, angular gravel, white powdery limestone at 3.4m.	-3.4
12 / 4					***SW - SAND AND GRAVEL*** Grey brown, dry, no odour or staining.	-3.7
14	6	24	30	ND		
16	7	36	20	ND	***SW - SAND AND GRAVEL*** Brown, dry, hard, no odour or staining.	-4.9
18	8	50+	10	ND		-5.2
20 / 6					***SW - SAND AND GRAVEL*** Brown, dry, no odour or staining.	
22					***BEDROCK (LIMESTONE)*** Air tri-cone coring from 5.18m to 9.14m.	
24						
26 / 8						
28						
30					End of Borehole	-9.1



Groundwater Elevation: 90.935m
T.O.P Elevation: 97.845m

Screening Tool: Photovac 2020 PID

Monitoring Well Log

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF BOREHOLE: BH-9

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm
Start Date: November 26, 2008 **Checked By:** EF
Completed: November 26, 2008 **Logged By:** LT

Depth (ft / m)	Sample No.	N-Value	Recovery %	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)
						Ground Surface	0.00
0 / 0						***ASPHALT***	
1	1	AS	AS	ND		***SW - SAND AND GRAVEL (FILL)*** Brown, dry, no odour or staining.	-0.46
2						***SW - SAND AND GRAVEL*** Brown, dry, no odour or staining.	
3 / 1	2	6	30	ND			
4							
5						Angular gravel from 1.68 to 2.13m.	
6 / 2	3	12	60	0.7			
7							
8	4	30	20	0.2			
9 / 3							
10							
11	5	11	50	ND			-3.35
12						***SW - SAND AND GRAVEL*** Brown, dry, no odour or staining.	
13 / 4	6	15	20	ND			
14							
15							
16 / 5	7	19	40	ND		Limestone at 5.18m. Auger refusal.	-5.15
17						***BEDROCK (LIMESTONE)***	
18						End of Borehole	
19 / 6							
20							

Ground Surface Elevation: NA

Screening Tool: Photovac 2020 PID

XCG Consultants Ltd.

Project #: 5-698-17-02

Project: Phase II ESA
Client: City of Guelph
Location: Baker Street Redevelopment Site

Privileged and Confidential
LOG OF WELL: BH-17-MW5D

Driller: Geo-Environmental Drilling Inc.
Drill Method: Hollow Stem Auger and Tri-Cone Coring
Sample Method: Split-Spoon Method

Borehole Diameter: 203 mm Auger/100 mm Coring
Start Date: December 1, 2008
Completed: December 1, 2008
Checked By: EF
Logged By: LT

Depth (ft / m)	Sample No.	N-Value	Recovery (%)	Vapour Conc (ppm)	Graphic Log	Geology Description	Depth/Elev (m)	Well Completion	Well Details
						Ground Surface	0.0		
0 / 0	1	AS	AS	ND		***ASPHALT***		Concrete	Flush Mount Steel Casing
2						***SW - SAND AND GRAVEL (FILL)*** Black brown, dry, no odour or staining.			
4	2	3	50	0.2			-1.2		
6 / 2	3	9	25	0.4		***SM - SILTY SAND (FILL)*** Brown, dry, trace gravel, no odour or staining.	-2.1	Bentonite	
8	4	8	25	ND		***SM - SILTY SAND*** Brown, dry, no odour or staining.			
10	5	19	20	ND		Wet from 3.4 to 5.3m, no odour or staining.			
12 / 4									
14	6	30	30	ND					
16	7	13	10	ND			-5.3		
18	8	29	30	ND		***ML - SILT*** Grey, dry, no odour or staining.			
20 / 6									
22	9	28	30	ND		Auger refusal at 7.3m.	-7.0		
24	10	28	30	ND		***BEDROCK (LIMESTONE)*** Air tri-cone coring.		#3 Silca Sand	5cm Dia. Slot 10 Screen
26 / 8									
28									
30									
32 / 10									
34							-10.7		
36						End of Borehole			

Groundwater Elevation: 91.060m
T.O.P Elevation: 98.650m

Screening Tool: Photovac 2020 PID

Monitoring Well Log

APPENDIX C

ANALYTICAL RESULTS TABLES AND LABORATORY CERTIFICATES OF ANALYSIS

Certificate of Analysis

XCG CONSULTANTS LTD.
ATTN: THOMAS KOLODZIEJ
820 TRILLIUM DRIVE
KITCHENER ON N2R 1K4

Reported On: 01-DEC-08 03:23 PM
Revision: 3

Lab Work Order #: **L712303** **Date Received:** **26-NOV-08**

Project P.O. #:
Job Reference: 5-698-17-02
Legal Site Desc:
CofC Numbers: 69263

Other Information:

Comments: 01-DEC-08 NG/WT
REVISION 3: CORRECTED CALCULATION FOR F1-BTEX

MARY-LYNN PIKE
Account Manager

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-1 BH-14 (SS-2) Sampled By: LUKE T on 25-NOV-08 Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631
Arsenic (As)	2		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	0.2		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	0.09		0.05	ug/g	0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	28		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	7		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	2		1	mg/kg	19	21	28-NOV-08	R763507
Copper (Cu)	16		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	29		1	mg/kg	55	120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Nickel (Ni)	4		1	mg/kg	43	43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	10		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	63		1	mg/kg	150	160	28-NOV-08	R763507
VOC, F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5	VC:RHS	5	mg/kg			01-DEC-08	
F1-BTEX	<5		5	mg/kg			01-DEC-08	
F2 (C10-C16)	<10		10	mg/kg			01-DEC-08	
F2-Naphth	<10		10	mg/kg			01-DEC-08	
F3 (C16-C34)	<50		50	mg/kg			01-DEC-08	
F3-PAH	<50		50	mg/kg			01-DEC-08	
F4 (C34-C50)	56		50	mg/kg			01-DEC-08	
Total Hydrocarbons (C6-C50)	56		50	mg/kg			01-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			01-DEC-08	
Prep/Analysis Dates				No Unit			28-NOV-08	R762621
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			28-NOV-08	R762542
Surr: Octacosane	75		60-120	%			28-NOV-08	R762542
Volatile Organics (153/04) Table 1								
1,1,1,2-Tetrachloroethane	<0.008	VC:RHS	0.008	mg/kg			28-NOV-08	R762774
1,1,2,2-Tetrachloroethane	<0.004	VC:RHS	0.004	mg/kg	0.004	0.004	28-NOV-08	R762774
1,1,1-Trichloroethane	<0.008	VC:RHS	0.008	mg/kg	0.009	0.009	28-NOV-08	R762774
1,1,2-Trichloroethane	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,1-Dichloroethane	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,1-Dichloroethylene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,2-Dichlorobenzene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,2-Dichloroethane	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,2-Dibromoethane	<0.004	VC:RHS	0.004	mg/kg	0.004	0.004	28-NOV-08	R762774

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-1 BH-14 (SS-2)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)								
Volatile Organics (153/04) Table 1								
1,2-Dichloropropane	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,3-Dichlorobenzene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,4-Dichlorobenzene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
2-Hexanone	<0.2	VC:RHS	0.2	mg/kg			28-NOV-08	R762774
Acetone	<0.5	VC:RHS	0.5	mg/kg			28-NOV-08	R762774
Benzene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Bromodichloromethane	<0.005	VC:RHS	0.005	mg/kg			28-NOV-08	R762774
Bromoform	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Bromomethane	<0.003	VC:RHS	0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Carbon Disulfide	<0.02	VC:RHS	0.02	mg/kg			28-NOV-08	R762774
Carbon tetrachloride	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Chlorobenzene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Chloroethane	<0.03	VC:RHS	0.03	mg/kg			28-NOV-08	R762774
Chloroform	<0.006	VC:RHS	0.006	mg/kg	0.006	0.006	28-NOV-08	R762774
Chloromethane	<0.03	VC:RHS	0.03	mg/kg			28-NOV-08	R762774
cis-1,2-Dichloroethylene	<0.02	VC:RHS	0.02	mg/kg			28-NOV-08	R762774
cis-1,3-Dichloropropene	<0.003	VC:RHS	0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Dibromomethane	<0.01	VC:RHS	0.01	mg/kg			28-NOV-08	R762774
Dibromochloromethane	<0.003	VC:RHS	0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Dichlorodifluoromethane	<0.03	VC:RHS	0.03	mg/kg			28-NOV-08	R762774
Dichloromethane	<0.003	VC:RHS	0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Ethyl Benzene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
MTBE	<0.2	VC:RHS	0.2	mg/kg			28-NOV-08	R762774
m+p-Xylenes	<0.002	VC:RHS	0.002	mg/kg			28-NOV-08	R762774
Methyl Ethyl Ketone	<0.2	VC:RHS	0.2	mg/kg			28-NOV-08	R762774
Methyl Isobutyl Ketone	<0.2	VC:RHS	0.2	mg/kg			28-NOV-08	R762774
o-Xylene	<0.002	VC:RHS	0.002	mg/kg			28-NOV-08	R762774
Styrene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Tetrachloroethylene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Toluene	<0.002	VC:RHS	0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
trans-1,2-Dichloroethylene	<0.002	VC:RHS	0.002	mg/kg	0.003	0.003	28-NOV-08	R762774
trans-1,3-Dichloropropene	<0.003	VC:RHS	0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Trichloroethylene	<0.004	VC:RHS	0.004	mg/kg	0.004	0.004	28-NOV-08	R762774
Trichlorofluoromethane	<0.03	VC:RHS	0.03	mg/kg			28-NOV-08	R762774
Vinyl chloride	<0.003	VC:RHS	0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Xylenes (Total)	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Surr: 1,2-Dichloroethane d4	100		25-175	%			28-NOV-08	R762774
Surr: Toluene-d8	90		25-175	%			28-NOV-08	R762774
Surr: 4-Bromofluorobenzene	102		25-175	%			28-NOV-08	R762774
Individual Analytes								
% Moisture	10.7		0.5	%			27-NOV-08	R762204
CCME PAHs								
1-Methylnaphthalene	<0.05		0.05	mg/kg	0.05	0.26	01-DEC-08	R763496
2-Methylnaphthalene	<0.05		0.05	mg/kg			01-DEC-08	R763496
Acenaphthene	<0.05		0.05	mg/kg	0.05	0.07	01-DEC-08	R763496
Acenaphthylene	<0.05		0.05	mg/kg	0.08	0.08	01-DEC-08	R763496
Acridine	<0.8		0.8	mg/kg			01-DEC-08	R763496

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-1 BH-14 (SS-2)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Individual Analytes								
CCME PAHs								
Anthracene	<0.05		0.05	mg/kg	0.05	0.16	01-DEC-08	R763496
Benzo(a)anthracene	0.14		0.05	mg/kg	** 0.10	0.74	01-DEC-08	R763496
Benzo(a)pyrene	0.24		0.02	mg/kg	** 0.10	0.49	01-DEC-08	R763496
Benzo(b)fluoranthene	0.18		0.05	mg/kg	0.30	0.47	01-DEC-08	R763496
Benzo(g,h,i)perylene	0.22		0.05	mg/kg	** 0.20	0.68	01-DEC-08	R763496
Benzo(k)fluoranthene	0.11		0.05	mg/kg	** 0.05	0.48	01-DEC-08	R763496
Chrysene	0.18		0.05	mg/kg	** 0.18	0.69	01-DEC-08	R763496
Dibenzo(ah)anthracene	0.13		0.05	mg/kg	0.15	0.16	01-DEC-08	R763496
Fluoranthene	0.19		0.05	mg/kg	0.24	1.1	01-DEC-08	R763496
Fluorene	<0.05		0.05	mg/kg	0.05	0.12	01-DEC-08	R763496
Indeno(1,2,3-cd)pyrene	0.14		0.05	mg/kg	** 0.11	0.38	01-DEC-08	R763496
Naphthalene	<0.05		0.05	mg/kg	0.05	0.09	01-DEC-08	R763496
Phenanthrene	0.09		0.05	mg/kg	0.19	0.69	01-DEC-08	R763496
Pyrene	0.17		0.05	mg/kg	0.19	1.0	01-DEC-08	R763496
Quinoline	<0.05		0.05	mg/kg			01-DEC-08	R763496
Surr: 2-Fluorobiphenyl	107		50-150	%			01-DEC-08	R763496
Surr: p-Terphenyl d14	96		52-158	%			01-DEC-08	R763496
pH	9.63		0.01	pH units			27-NOV-08	R762512
L712303-2 BH-8 (SS-4)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631
Arsenic (As)	1		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	<0.1		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	12		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	5		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	2		1	mg/kg	19	21	28-NOV-08	R763507
Copper (Cu)	6		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	8		1	mg/kg	55	120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Nickel (Ni)	3		1	mg/kg	43	43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	4		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	47		1	mg/kg	150	160	28-NOV-08	R763507
VOC, F1-F4 (O.Reg.153/04)								

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-2 BH-8 (SS-4)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5	VC:RHS	5	mg/kg			01-DEC-08	
F1-BTEX	<5		5	mg/kg			01-DEC-08	
F2 (C10-C16)	<10		10	mg/kg			01-DEC-08	
F3 (C16-C34)	<50		50	mg/kg			01-DEC-08	
F4 (C34-C50)	<50		50	mg/kg			01-DEC-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg			01-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			01-DEC-08	
Prep/Analysis Dates				No Unit			28-NOV-08	R762621
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			28-NOV-08	R762542
Surr: Octacosane	82		60-120	%			28-NOV-08	R762542
Volatile Organics (153/04) Table 1								
1,1,1,2-Tetrachloroethane	<0.008		0.008	mg/kg			28-NOV-08	R762774
1,1,2,2-Tetrachloroethane	<0.004		0.004	mg/kg	0.004	0.004	28-NOV-08	R762774
1,1,1-Trichloroethane	<0.008		0.008	mg/kg	0.009	0.009	28-NOV-08	R762774
1,1,2-Trichloroethane	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,1-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,1-Dichloroethylene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,2-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,2-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,2-Dibromoethane	<0.004		0.004	mg/kg	0.004	0.004	28-NOV-08	R762774
1,2-Dichloropropane	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,3-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,4-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
2-Hexanone	<0.2		0.2	mg/kg			28-NOV-08	R762774
Acetone	<0.5		0.5	mg/kg			28-NOV-08	R762774
Benzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Bromodichloromethane	<0.005		0.005	mg/kg			28-NOV-08	R762774
Bromoform	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Bromomethane	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Carbon Disulfide	<0.02		0.02	mg/kg			28-NOV-08	R762774
Carbon tetrachloride	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Chlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Chloroethane	<0.03		0.03	mg/kg			28-NOV-08	R762774
Chloroform	<0.006		0.006	mg/kg	0.006	0.006	28-NOV-08	R762774
Chloromethane	<0.03		0.03	mg/kg			28-NOV-08	R762774
cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg			28-NOV-08	R762774
cis-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Dibromomethane	<0.01		0.01	mg/kg			28-NOV-08	R762774
Dibromochloromethane	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Dichlorodifluoromethane	<0.03		0.03	mg/kg			28-NOV-08	R762774
Dichloromethane	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Ethyl Benzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
MTBE	<0.2		0.2	mg/kg			28-NOV-08	R762774
m+p-Xylenes	<0.002		0.002	mg/kg			28-NOV-08	R762774
Methyl Ethyl Ketone	<0.2		0.2	mg/kg			28-NOV-08	R762774

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-2 BH-8 (SS-4)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)								
Volatile Organics (153/04) Table 1								
Methyl Isobutyl Ketone	<0.2		0.2	mg/kg			28-NOV-08	R762774
o-Xylene	<0.002		0.002	mg/kg			28-NOV-08	R762774
Styrene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Tetrachloroethylene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Toluene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
trans-1,2-Dichloroethylene	<0.002		0.002	mg/kg	0.003	0.003	28-NOV-08	R762774
trans-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Trichloroethylene	<0.004		0.004	mg/kg	0.004	0.004	28-NOV-08	R762774
Trichlorofluoromethane	<0.03		0.03	mg/kg			28-NOV-08	R762774
Vinyl chloride	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Xylenes (Total)	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Surr: 1,2-Dichloroethane d4	96		25-175	%			28-NOV-08	R762774
Surr: Toluene-d8	87		25-175	%			28-NOV-08	R762774
Surr: 4-Bromofluorobenzene	101		25-175	%			28-NOV-08	R762774
Individual Analytes								
% Moisture	8.0		0.5	%			27-NOV-08	R762204
PCBs								
Aroclor 1242	<0.05	DLA	0.05	mg/kg			29-NOV-08	R762567
Aroclor 1248	<0.05	DLA	0.05	mg/kg			29-NOV-08	R762567
Aroclor 1254	<0.05	DLA	0.05	mg/kg			29-NOV-08	R762567
Aroclor 1260	<0.05	DLA	0.05	mg/kg			29-NOV-08	R762567
Total PCBs	<0.05	DLA	0.05	mg/kg	0.3	0.3	29-NOV-08	R762567
Surr: d14-Terphenyl	86		63-153	%			29-NOV-08	R762567
pH	8.47		0.01	pH units			27-NOV-08	R762512
L712303-3 BH-13 (SS-3)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			28-NOV-08	
F2 (C10-C16)	<10		10	mg/kg			28-NOV-08	
F3 (C16-C34)	56		50	mg/kg			28-NOV-08	
F4 (C34-C50)	144		50	mg/kg			28-NOV-08	
F4G-SG (GHH-Silica)	600		100	mg/kg			28-NOV-08	
Total Hydrocarbons (C6-C50)	200		50	mg/kg			28-NOV-08	
Chromatogram to baseline at nC50	NO			No Unit			28-NOV-08	
Prep/Analysis Dates				No Unit			28-NOV-08	R762621
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			28-NOV-08	R762542
Surr: Octacosane	88		60-120	%			28-NOV-08	R762542
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-3 BH-13 (SS-3)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Arsenic (As)	1		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	<0.1		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	0.23		0.05	ug/g	** 0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	31		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	4		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	1		1	mg/kg	19	21	28-NOV-08	R763507
Copper (Cu)	7		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	35		1	mg/kg	55	120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Nickel (Ni)	2		1	mg/kg	43	43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	3		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	79		1	mg/kg	150	160	28-NOV-08	R763507
Individual Analytes								
% Moisture	3.5		0.5	%			27-NOV-08	R762204
Prep/Analysis Dates				No Unit			28-NOV-08	R762690
pH	8.39		0.01	pH units			27-NOV-08	R762512
L712303-4 BH-6 (SS-5)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631
Arsenic (As)	1		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	<0.1		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	11		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	4		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	2		1	mg/kg	19	21	28-NOV-08	R763507
Copper (Cu)	4		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	199		1	mg/kg	** 55	** 120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507

** analytical results for this parameter exceed criteria limits listed on this report

O.Reg.153, Table 1 MARCH 9, 2004

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-4 BH-6 (SS-5)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
Standard Metal Scan (ICP)								
Nickel (Ni)	3		1	mg/kg	43	43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	4		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	71		1	mg/kg	150	160	28-NOV-08	R763507
Individual Analytes								
% Moisture	7.0		0.5	%			27-NOV-08	R762204
pH	8.15		0.01	pH units			27-NOV-08	R762512
L712303-5 BH-7 (SS-2)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631
Arsenic (As)	2		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	0.1		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	12		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	6		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	2		1	mg/kg	19	21	28-NOV-08	R763507
Copper (Cu)	8		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	18		1	mg/kg	55	120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Nickel (Ni)	4		1	mg/kg	43	43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	5		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	66		1	mg/kg	150	160	28-NOV-08	R763507
Individual Analytes								
% Moisture	4.1		0.5	%			27-NOV-08	R762204
pH	8.31		0.01	pH units			27-NOV-08	R762512
L712303-6 BH-5 (SS-2)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-6 BH-5 (SS-2)								
Sampled By: LUKE T on 25-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631
Arsenic (As)	2		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	<0.1		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	12		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	5		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	2		1	mg/kg	19	21	28-NOV-08	R763507
Copper (Cu)	5		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	15		1	mg/kg	55	120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Nickel (Ni)	4		1	mg/kg	43	43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	6		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	91		1	mg/kg	150	160	28-NOV-08	R763507
Individual Analytes								
% Moisture	6.2		0.5	%			27-NOV-08	R762204
pH	8.16		0.01	pH units			27-NOV-08	R762512
L712303-7 BH-15 (SS-1)								
Sampled By: LUKE T on 26-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			28-NOV-08	
F2 (C10-C16)	<10		10	mg/kg			28-NOV-08	
F3 (C16-C34)	107		50	mg/kg			28-NOV-08	
F4 (C34-C50)	227		50	mg/kg			28-NOV-08	
F4G-SG (GHH-Silica)	900		100	mg/kg			28-NOV-08	
Total Hydrocarbons (C6-C50)	334		50	mg/kg			28-NOV-08	
Chromatogram to baseline at nC50	NO			No Unit			28-NOV-08	
Prep/Analysis Dates				No Unit			28-NOV-08	R762621
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			28-NOV-08	R762542
Surr: Octacosane	89		60-120	%			28-NOV-08	R762542
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-7 BH-15 (SS-1)								
Sampled By: LUKE T on 26-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Arsenic (As)	4		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	0.2		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	0.09		0.05	ug/g	0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	34		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	9		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	3		1	mg/kg	19	21	28-NOV-08	R763507
Copper (Cu)	22		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	52		1	mg/kg	55	120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Nickel (Ni)	7		1	mg/kg	43	43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	13		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	124		1	mg/kg	150	160	28-NOV-08	R763507
Individual Analytes								
% Moisture	9.8		0.5	%			27-NOV-08	R762204
Prep/Analysis Dates				No Unit			28-NOV-08	R762690
pH	8.03		0.01	pH units			27-NOV-08	R762512
L712303-8 BH-9 (SS-3)								
Sampled By: LUKE T on 26-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631
Arsenic (As)	2		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	<0.1		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	17		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	7		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	3		1	mg/kg	19	21	28-NOV-08	R763507
Copper (Cu)	8		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	13		1	mg/kg	55	120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L712303-8 BH-9 (SS-3)							
Sampled By: LUKE T on 26-NOV-08							
Matrix: SOIL					AGRICULTURAL OR OTHER / ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B							
Standard Metal Scan (ICP)							
Nickel (Ni)	5		1	mg/kg	43 / 43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35 / 0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5 / 2.5	28-NOV-08	R763507
Vanadium (V)	7		1	mg/kg	91 / 91	28-NOV-08	R763507
Zinc (Zn)	172		1	mg/kg	** 150 / ** 160	28-NOV-08	R763507
Individual Analytes							
% Moisture	8.1		0.5	%		27-NOV-08	R762204
pH	8.02		0.01	pH units		27-NOV-08	R762512
L712303-9 BH-16 (SS-2)							
Sampled By: LUKE T on 26-NOV-08							
Matrix: SOIL					AGRICULTURAL OR OTHER / ALL OTHER		
F1-F4 (O.Reg.153/04)							
CCME Total Hydrocarbons							
F1 (C6-C10)	<5		5	mg/kg		28-NOV-08	
F2 (C10-C16)	<10		10	mg/kg		28-NOV-08	
F3 (C16-C34)	<50		50	mg/kg		28-NOV-08	
F4 (C34-C50)	<50		50	mg/kg		28-NOV-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg		28-NOV-08	
Chromatogram to baseline at nC50	YES			No Unit		28-NOV-08	
Prep/Analysis Dates				No Unit		28-NOV-08	R762621
F2-F4 (O.Reg.153/04)							
Prep/Analysis Dates				No Unit		28-NOV-08	R762542
Surr: Octacosane	88		60-120	%		28-NOV-08	R762542
Regulation 153 Metals, Hg, Cr6+, Avail B							
As, Sb and Se by ICP/MS							
Antimony (Sb)	<1		1	mg/kg	1 / 1	01-DEC-08	R763631
Arsenic (As)	3		1	mg/kg	14 / 17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4 / 1.9	01-DEC-08	R763631
Boron (B), Available	0.7		0.1	ug/g		28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5 / 2.5	28-NOV-08	R762763
Mercury (Hg)	<0.05		0.05	ug/g	0.16 / 0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)							
Barium (Ba)	35		1	mg/kg	190 / 210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2 / 1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0 / 1.0	28-NOV-08	R763507
Chromium (Cr)	12		1	mg/kg	67 / 71	28-NOV-08	R763507
Cobalt (Co)	5		1	mg/kg	19 / 21	28-NOV-08	R763507
Copper (Cu)	11		1	mg/kg	56 / 85	28-NOV-08	R763507
Lead (Pb)	16		1	mg/kg	55 / 120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5 / 2.5	28-NOV-08	R763507
Nickel (Ni)	9		1	mg/kg	43 / 43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35 / 0.42	28-NOV-08	R763507

** analytical results for this parameter exceed criteria limits listed on this report

O.Reg.153, Table 1 MARCH 9, 2004

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-9 BH-16 (SS-2)								
Sampled By: LUKE T on 26-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
Standard Metal Scan (ICP)								
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	17		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	103		1	mg/kg	150	160	28-NOV-08	R763507
Individual Analytes								
% Moisture	15.3		0.5	%			27-NOV-08	R762204
PCBs								
Aroclor 1242	<0.01		0.01	mg/kg			29-NOV-08	R762567
Aroclor 1248	<0.01		0.01	mg/kg			29-NOV-08	R762567
Aroclor 1254	<0.01		0.01	mg/kg			29-NOV-08	R762567
Aroclor 1260	<0.01		0.01	mg/kg			29-NOV-08	R762567
Total PCBs	<0.01		0.01	mg/kg	0.3	0.3	29-NOV-08	R762567
Surr: d14-Terphenyl	119		63-153	%			29-NOV-08	R762567
pH	7.73		0.01	pH units			27-NOV-08	R762512
L712303-10 BH-4 (SS-2)								
Sampled By: LUKE T on 26-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			28-NOV-08	
F2 (C10-C16)	<10		10	mg/kg			28-NOV-08	
F3 (C16-C34)	<50		50	mg/kg			28-NOV-08	
F4 (C34-C50)	<50		50	mg/kg			28-NOV-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg			28-NOV-08	
Chromatogram to baseline at nC50	YES			No Unit			28-NOV-08	
Prep/Analysis Dates				No Unit			28-NOV-08	R762621
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			28-NOV-08	R762542
Surr: Octacosane	86		60-120	%			28-NOV-08	R762542
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631
Arsenic (As)	2		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	<0.1		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	37		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	12		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	6		1	mg/kg	19	21	28-NOV-08	R763507

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-10 BH-4 (SS-2)								
Sampled By: LUKE T on 26-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
Standard Metal Scan (ICP)								
Copper (Cu)	11		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	12		1	mg/kg	55	120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Nickel (Ni)	11		1	mg/kg	43	43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	14		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	57		1	mg/kg	150	160	28-NOV-08	R763507
Individual Analytes								
% Moisture	12.2		0.5	%			27-NOV-08	R762204
PCBs								
Aroclor 1242	<0.01		0.01	mg/kg			29-NOV-08	R762567
Aroclor 1248	<0.01		0.01	mg/kg			29-NOV-08	R762567
Aroclor 1254	<0.01		0.01	mg/kg			29-NOV-08	R762567
Aroclor 1260	<0.01		0.01	mg/kg			29-NOV-08	R762567
Total PCBs	<0.01		0.01	mg/kg	0.3	0.3	29-NOV-08	R762567
Surr: d14-Terphenyl	112		63-153	%			29-NOV-08	R762567
pH	8.19		0.01	pH units			27-NOV-08	R762512
L712303-11 BH-X-NOV25								
Sampled By: LUKE T on 26-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	01-DEC-08	R763631
Arsenic (As)	1		1	mg/kg	14	17	01-DEC-08	R763631
Selenium (Se)	<1		1	mg/kg	1.4	1.9	01-DEC-08	R763631
Boron (B), Available	<0.1		0.1	ug/g			28-NOV-08	R762751
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	28-NOV-08	R762763
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	27-NOV-08	R762794
Standard Metal Scan (ICP)								
Barium (Ba)	11		1	mg/kg	190	210	28-NOV-08	R763507
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	28-NOV-08	R763507
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	28-NOV-08	R763507
Chromium (Cr)	6		1	mg/kg	67	71	28-NOV-08	R763507
Cobalt (Co)	2		1	mg/kg	19	21	28-NOV-08	R763507
Copper (Cu)	6		1	mg/kg	56	85	28-NOV-08	R763507
Lead (Pb)	14		1	mg/kg	55	120	28-NOV-08	R763507
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Nickel (Ni)	3		1	mg/kg	43	43	28-NOV-08	R763507
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	28-NOV-08	R763507
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	28-NOV-08	R763507
Vanadium (V)	4		1	mg/kg	91	91	28-NOV-08	R763507
Zinc (Zn)	49		1	mg/kg	150	160	28-NOV-08	R763507

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-11 BH-X-NOV25								
Sampled By: LUKE T on 26-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			01-DEC-08	
F1-BTEX	<5		5	mg/kg			01-DEC-08	
F2 (C10-C16)	<10		10	mg/kg			01-DEC-08	
F3 (C16-C34)	<50		50	mg/kg			01-DEC-08	
F4 (C34-C50)	<50		50	mg/kg			01-DEC-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg			01-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			01-DEC-08	
Prep/Analysis Dates				No Unit			28-NOV-08	R762621
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			28-NOV-08	R762542
Surr: Octacosane	83		60-120	%			28-NOV-08	R762542
Volatile Organics (153/04) Table 1								
1,1,1,2-Tetrachloroethane	<0.008		0.008	mg/kg			28-NOV-08	R762774
1,1,2,2-Tetrachloroethane	<0.004		0.004	mg/kg	0.004	0.004	28-NOV-08	R762774
1,1,1-Trichloroethane	<0.008		0.008	mg/kg	0.009	0.009	28-NOV-08	R762774
1,1,2-Trichloroethane	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,1-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,1-Dichloroethylene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,2-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,2-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,2-Dibromoethane	<0.004		0.004	mg/kg	0.004	0.004	28-NOV-08	R762774
1,2-Dichloropropane	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,3-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
1,4-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
2-Hexanone	<0.2		0.2	mg/kg			28-NOV-08	R762774
Acetone	<0.5		0.5	mg/kg			28-NOV-08	R762774
Benzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Bromodichloromethane	<0.005		0.005	mg/kg			28-NOV-08	R762774
Bromoform	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Bromomethane	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Carbon Disulfide	<0.02		0.02	mg/kg			28-NOV-08	R762774
Carbon tetrachloride	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Chlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Chloroethane	<0.03		0.03	mg/kg			28-NOV-08	R762774
Chloroform	<0.006		0.006	mg/kg	0.006	0.006	28-NOV-08	R762774
Chloromethane	<0.03		0.03	mg/kg			28-NOV-08	R762774
cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg			28-NOV-08	R762774
cis-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Dibromomethane	<0.01		0.01	mg/kg			28-NOV-08	R762774
Dibromochloromethane	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Dichlorodifluoromethane	<0.03		0.03	mg/kg			28-NOV-08	R762774
Dichloromethane	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Ethyl Benzene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
MTBE	<0.2		0.2	mg/kg			28-NOV-08	R762774
m+p-Xylenes	<0.002		0.002	mg/kg			28-NOV-08	R762774
Methyl Ethyl Ketone	<0.2		0.2	mg/kg			28-NOV-08	R762774

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L712303-11 BH-X-NOV25								
Sampled By: LUKE T on 26-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)								
Volatile Organics (153/04) Table 1								
Methyl Isobutyl Ketone	<0.2		0.2	mg/kg			28-NOV-08	R762774
o-Xylene	<0.002		0.002	mg/kg			28-NOV-08	R762774
Styrene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Tetrachloroethylene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Toluene	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
trans-1,2-Dichloroethylene	<0.002		0.002	mg/kg	0.003	0.003	28-NOV-08	R762774
trans-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Trichloroethylene	<0.004		0.004	mg/kg	0.004	0.004	28-NOV-08	R762774
Trichlorofluoromethane	<0.03		0.03	mg/kg			28-NOV-08	R762774
Vinyl chloride	<0.003		0.003	mg/kg	0.003	0.003	28-NOV-08	R762774
Xylenes (Total)	<0.002		0.002	mg/kg	0.002	0.002	28-NOV-08	R762774
Surr: 1,2-Dichloroethane d4	102		25-175	%			28-NOV-08	R762774
Surr: Toluene-d8	90		25-175	%			28-NOV-08	R762774
Surr: 4-Bromofluorobenzene	110		25-175	%			28-NOV-08	R762774
Individual Analytes								
% Moisture	7.6		0.5	%			27-NOV-08	R762204
PCBs								
Aroclor 1242	<0.01		0.01	mg/kg			29-NOV-08	R762567
Aroclor 1248	<0.01		0.01	mg/kg			29-NOV-08	R762567
Aroclor 1254	<0.01		0.01	mg/kg			29-NOV-08	R762567
Aroclor 1260	<0.01		0.01	mg/kg			29-NOV-08	R762567
Total PCBs	<0.01		0.01	mg/kg	0.3	0.3	29-NOV-08	R762567
Surr: d14-Terphenyl	110		63-153	%			29-NOV-08	R762567
pH	8.27		0.01	pH units			27-NOV-08	R762512

** analytical results for this parameter exceed criteria limits listed on this report

Sample Parameter Qualifier key listed:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution
VC:RHS	Volatile Analysis Compromised; Samples Received With Headspace

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
AS,SB,SE-3050-MS-WT	Soil	As, Sb and Se by ICP/MS		SW846 3050B/6020A
B-AVAIL-WT	Soil	Boron (B), Available		HW EXTR, EPA 6010B
CR-CR6-WT	Soil	Hexavalent Chromium in Soil		EPA 7196
ETL-TVH,TEH-CCME-WT	Soil	CCME Total Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-WT	Soil	F1 (O.Reg.153/04)	MOE DECPH-E3398/CCME Tier 1
F2-F4-WT	Soil	F2-F4 (O.Reg.153/04)	MOE DECPH-E3398/CCME Tier 1
F4G-ADD-WT	Soil	F4G-SG (O.Reg.153/04)	MOE DECPH-E3398/CCME Tier 1
HG-WT	Soil	Mercury by CVAA	SW846 7470A
MET-R153-WT	Soil	Standard Metal Scan (ICP)	EPA 3050
MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried
PAH-CCME-WT	Soil	CCME PAHs	SW846 8270
PCB-WT	Soil	PCBs	EPA 8082
PH-R153-WT	Soil	pH	MOEE E3137A
VOC-CCME-TABLE1-WT	Soil	Volatile Organics (153/04) Table 1	MOE-E3254

Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

69263

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS LABORATORY GROUP - WATERLOO, ONTARIO, CAN		

Reference Information

5-698-17-02

GLOSSARY OF REPORT TERMS
Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds. The reported surrogate recovery value provides a measure of method efficiency. The Laboratory control limits are determined under column heading D.L.
mg/kg (units) - unit of concentration based on mass, parts per million
mg/L (units) - unit of concentration based on volume, parts per million
< - Less than
D.L. - Detection Limit
N/A - Result not available. Refer to qualifier code and definition for explanation

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS.
Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.

ALS provides criteria information as a service to you, our customer. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. ALS recommends review of the most current version of the regulation, and assumes no responsibility for the accuracy of the criteria levels indicated.

ALS Laboratory Group Quality Control Report

Workorder: L712303 Report Date: 01-DEC-08 Page 1 of 14

Client: XCG CONSULTANTS LTD.
820 TRILLIUM DRIVE
KITCHENER ON N2R 1K4
Contact: THOMAS KOLODZIEJ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
AS,SB,SE-3050-MS-WT	**Soil**							
Batch R763631								
WG879232-2 CVS								
Antimony (Sb)			112		%		63-138	01-DEC-08
Arsenic (As)			108		%		63-138	01-DEC-08
Selenium (Se)			103		%		63-138	01-DEC-08
WG878174-3 DUP		**L712303-8**						
Antimony (Sb)		<1	<1	RPD-NA	mg/kg	N/A	26	01-DEC-08
Arsenic (As)		2	<1	RPD-NA	mg/kg	N/A	26	01-DEC-08
Selenium (Se)		<1	<1	RPD-NA	mg/kg	N/A	26	01-DEC-08
WG878174-2 LCS								
Arsenic (As)			102		%		63-138	01-DEC-08
Selenium (Se)			94		%		63-138	01-DEC-08
WG878174-1 MB								
Antimony (Sb)			<1		mg/kg		1	01-DEC-08
Arsenic (As)			<1		mg/kg		1	01-DEC-08
Selenium (Se)			<1		mg/kg		1	01-DEC-08
B-AVAIL-WT	**Soil**							
Batch R762751								
WG878190-3 DUP		**L712274-1**						
Boron (B), Available		<0.1	<0.1	RPD-NA	ug/g	N/A	26	28-NOV-08
WG878190-2 LCS								
Boron (B), Available			100		%		60-140	28-NOV-08
WG878190-1 MB								
Boron (B), Available			<0.1		ug/g		0.1	28-NOV-08
CR-CR6-WT	**Soil**							
Batch R762763								
WG878449-1 CVS								
Chromium, Hexavalent			94		%		70-130	28-NOV-08
WG878449-3 DUP		**L712303-11**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	28-NOV-08
WG878449-4 DUP		**L712531-3**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	28-NOV-08
WG878449-2 MB								
Chromium, Hexavalent			<2		mg/kg		2	28-NOV-08
F1-WT	**Soil**							

ALS Laboratory Group Quality Control Report

Workorder: L712303 Report Date: 01-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F1-WT	**Soil**							
Batch R762621								
WG877488-1 CVS								
TVH: (C6-C10 / No BTEX Correction)			93		%		59-131	28-NOV-08
WG877524-3 DUP		**WG877524-2**						
TVH: (C6-C10 / No BTEX Correction)		<5	<5	RPD-NA	mg/kg	N/A	65	28-NOV-08
WG877524-1 MB								
TVH: (C6-C10 / No BTEX Correction)			<5		mg/kg		5	28-NOV-08
F2-F4-WT	**Soil**							
Batch R762542								
WG878143-1 CVS								
F2 (C10-C16)			102		%		80-120	28-NOV-08
F3 (C16-C34)			106		%		80-120	28-NOV-08
F4 (C34-C50)			108		%		70-130	28-NOV-08
WG878143-2 CVS								
F2 (C10-C16)			104		%		80-120	28-NOV-08
F3 (C16-C34)			105		%		80-120	28-NOV-08
F4 (C34-C50)			107		%		70-130	28-NOV-08
WG878143-3 CVS								
F2 (C10-C16)			102		%		80-120	28-NOV-08
F3 (C16-C34)			105		%		80-120	28-NOV-08
F4 (C34-C50)			108		%		70-130	28-NOV-08
WG877572-4 DUP		**L712303-3**						
F2 (C10-C16)		<10	<10	RPD-NA	mg/kg	N/A	65	28-NOV-08
F3 (C16-C34)		56	60	J	mg/kg	4	20	28-NOV-08
F4 (C34-C50)		144	144	J	mg/kg	1	20	28-NOV-08
WG877572-2 LCS								
F2 (C10-C16)			94		%		54-120	28-NOV-08
F3 (C16-C34)			97		%		60-106	28-NOV-08
F4 (C34-C50)			88		%		52-122	28-NOV-08
WG877572-3 LCSD		**WG877572-2**						
F2 (C10-C16)		94	101		%	7.9	45	28-NOV-08
F3 (C16-C34)		97	100		%	3.8	45	28-NOV-08
F4 (C34-C50)		88	91		%	3.2	45	28-NOV-08
WG877572-1 MB								
F2 (C10-C16)			<10		mg/kg		10	28-NOV-08
F3 (C16-C34)			<50		mg/kg		50	28-NOV-08
F4 (C34-C50)			<50		mg/kg		50	28-NOV-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-WT	**Soil**							
Batch R762794								
WG877665-3 DUP		**L712303-1**						
Mercury (Hg)		0.09	0.11	J	ug/g	0.02	0.2	27-NOV-08
WG877665-2 LCS								
Mercury (Hg)			101		%		70-130	27-NOV-08
WG877665-1 MB								
Mercury (Hg)			<0.05		ug/g		0.05	27-NOV-08
MET-R153-WT	**Soil**							
Batch R763507								
WG878335-2 CVS								
Barium (Ba)			99		%		80-120	28-NOV-08
Beryllium (Be)			87		%		80-120	28-NOV-08
Cadmium (Cd)			88		%		80-120	28-NOV-08
Chromium (Cr)			95		%		80-120	28-NOV-08
Cobalt (Co)			94		%		80-120	28-NOV-08
Copper (Cu)			96		%		80-120	28-NOV-08
Molybdenum (Mo)			81		%		80-120	28-NOV-08
Nickel (Ni)			97		%		80-120	28-NOV-08
Silver (Ag)			80		%		80-120	28-NOV-08
Thallium (Tl)			95		%		80-120	28-NOV-08
Vanadium (V)			88		%		80-120	28-NOV-08
Zinc (Zn)			88		%		80-120	28-NOV-08
Lead (Pb)			84		%		80-120	28-NOV-08
WG878174-3 DUP		**L712303-8**						
Barium (Ba)		17	15		mg/kg	13	20	28-NOV-08
Beryllium (Be)		<0.5	<0.5	RPD-NA	mg/kg	N/A	20	28-NOV-08
Cadmium (Cd)		<0.5	<0.5	RPD-NA	mg/kg	N/A	20	28-NOV-08
Chromium (Cr)		7	6	J	mg/kg	1	4	28-NOV-08
Cobalt (Co)		3	2	J	mg/kg	0	4	28-NOV-08
Copper (Cu)		8	7	J	mg/kg	1	4	28-NOV-08
Lead (Pb)		13	11		mg/kg	17	120	28-NOV-08
Molybdenum (Mo)		<1	<1	RPD-NA	mg/kg	N/A	20	28-NOV-08
Nickel (Ni)		5	4	J	mg/kg	1	4	28-NOV-08
Silver (Ag)		<0.2	<0.2	RPD-NA	mg/kg	N/A	20	28-NOV-08
Thallium (Tl)		<1	<1	RPD-NA	mg/kg	N/A	20	28-NOV-08
Vanadium (V)		7	6					

ALS Laboratory Group Quality Control Report

Workorder: L712303 Report Date: 01-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Soil**							
Batch R763507								
WG878174-3 DUP		**L712303-8**						
Vanadium (V)		7	6	J	mg/kg	1	4	28-NOV-08
Zinc (Zn)		172	155		mg/kg	11	20	28-NOV-08
WG878174-2 LCS								
Barium (Ba)			96		%		80-120	28-NOV-08
Beryllium (Be)			85		%		80-120	28-NOV-08
Cadmium (Cd)			89		%		80-120	28-NOV-08
Chromium (Cr)			95		%		80-120	28-NOV-08
Cobalt (Co)			94		%		80-120	28-NOV-08
Copper (Cu)			94		%		80-120	28-NOV-08
Lead (Pb)			90		%		80-120	28-NOV-08
Nickel (Ni)			93		%		80-120	28-NOV-08
Thallium (Tl)			87		%		80-120	28-NOV-08
Vanadium (V)			93		%		80-120	28-NOV-08
Zinc (Zn)			81		%		80-120	28-NOV-08
WG878174-1 MB								
Barium (Ba)			<1		mg/kg		1	28-NOV-08
Beryllium (Be)			<0.5		mg/kg		0.5	28-NOV-08
Cadmium (Cd)			<0.5		mg/kg		0.5	28-NOV-08
Chromium (Cr)			<1		mg/kg		1	28-NOV-08
Cobalt (Co)			<1		mg/kg		1	28-NOV-08
Copper (Cu)			<1		mg/kg		1	28-NOV-08
Lead (Pb)			<1		mg/kg		1	28-NOV-08
Molybdenum (Mo)			<1		mg/kg		1	28-NOV-08
Nickel (Ni)			<1		mg/kg		1	28-NOV-08
Silver (Ag)			<0.2		mg/kg		0.2	28-NOV-08
Thallium (Tl)			<1		mg/kg		1	28-NOV-08
Vanadium (V)			<1		mg/kg		1	28-NOV-08
Zinc (Zn)			<1		mg/kg		1	28-NOV-08
MOISTURE-WT	**Soil**							
Batch R762204								
WG877654-3 DUP		**L712303-10**						
% Moisture		12.2	11.3		%	7.0	26	27-NOV-08
WG877654-2 LCS								
% Moisture			100				79-120	

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MOISTURE-WT	**Soil**							
Batch R762204								
WG877654-2 LCS								
% Moisture			100		%		79-120	27-NOV-08
WG877654-1 MB								
% Moisture			<0.5		%		0.5	27-NOV-08
PAH-CCME-WT	**Soil**							
Batch R763496								
WG878132-1 CVS								
1-Methylnaphthalene			94		%		71-127	01-DEC-08
2-Methylnaphthalene			83		%		68-115	01-DEC-08
Acenaphthene			96		%		66-128	01-DEC-08
Acenaphthylene			96		%		60-132	01-DEC-08
Acridine			111		%		69-145	01-DEC-08
Anthracene			93		%		64-123	01-DEC-08
Benzo(a)anthracene			91		%		75-134	01-DEC-08
Benzo(a)pyrene			90		%		60-135	01-DEC-08
Benzo(b)fluoranthene			80		%		67-131	01-DEC-08
Benzo(g,h,i)perylene			91		%		60-136	01-DEC-08
Benzo(k)fluoranthene			99		%		68-137	01-DEC-08
Chrysene			100		%		72-131	01-DEC-08
Dibenzo(ah)anthracene			94		%		64-133	01-DEC-08
Fluoranthene			89		%		75-124	01-DEC-08
Fluorene			100		%		75-127	01-DEC-08
Indeno(1,2,3-cd)pyrene			88		%		58-140	01-DEC-08
Naphthalene			94		%		69-122	01-DEC-08
Phenanthrene			87		%		77-126	01-DEC-08
Pyrene			90		%		76-127	01-DEC-08
Quinoline			109		%		70-120	01-DEC-08
WG877577-4 DUP		**L712303-1**						
1-Methylnaphthalene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	01-DEC-08
2-Methylnaphthalene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	01-DEC-08
Acenaphthene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	01-DEC-08
Acenaphthylene		<0.05	0.06	RPD-NA	mg/kg	N/A	65	01-DEC-08
Acridine		<0.8	<0.8	RPD-NA	mg/kg	N/A	39	01-DEC-08
Anthracene		<0.05	0.07	RPD-NA	mg/kg	N/A	65	01-DEC-08

COMMENTS: QC results are acceptable and within the method data quality objectives.

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Soil**							
Batch R763496								
WG877577-4 DUP		**L712303-1**						
Benzo(a)anthracene		0.14	0.21	J	mg/kg	0.07	0.2	01-DEC-08
Benzo(a)pyrene		0.24	0.25		mg/kg	2.2	65	01-DEC-08
Benzo(b)fluoranthene		0.18	0.18	J	mg/kg	0.00	0.2	01-DEC-08
Benzo(g,h,i)perylene		0.22	0.95	J,G	mg/kg	0.72	0.2	01-DEC-08
Benzo(k)fluoranthene		0.11	0.15	J	mg/kg	0.04	0.2	01-DEC-08
Chrysene		0.18	0.22	J	mg/kg	0.03	0.2	01-DEC-08
Dibenzo(ah)anthracene		0.13	0.19	J	mg/kg	0.06	0.2	01-DEC-08
Fluoranthene		0.19	0.31	J	mg/kg	0.13	0.2	01-DEC-08
Fluorene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	01-DEC-08
Indeno(1,2,3-cd)pyrene		0.14	0.36	J,G	mg/kg	0.23	0.2	01-DEC-08
Naphthalene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	01-DEC-08
Phenanthrene		0.09	0.17	J	mg/kg	0.08	0.2	01-DEC-08
Pyrene		0.17	0.29	J	mg/kg	0.12	0.2	01-DEC-08
Quinoline		<0.05	<0.05	RPD-NA	mg/kg	N/A	39	01-DEC-08
COMMENTS: QC results are acceptable and within the method data quality objectives.								
WG877577-2 LCS								
1-Methylnaphthalene			100		%		74-131	01-DEC-08
2-Methylnaphthalene			90		%		70-127	01-DEC-08
Acenaphthene			108		%		54-134	01-DEC-08
Acenaphthylene			107		%		49-136	01-DEC-08
Acridine			123		%		43-131	01-DEC-08
Anthracene			103		%		49-134	01-DEC-08
Benzo(a)anthracene			100		%		49-141	01-DEC-08
Benzo(a)pyrene			97		%		42-131	01-DEC-08
Benzo(b)fluoranthene			82		%		46-131	01-DEC-08
Benzo(g,h,i)perylene			97		%		43-126	01-DEC-08
Benzo(k)fluoranthene			117		%		48-143	01-DEC-08
Chrysene			115		%		48-129	01-DEC-08
Dibenzo(ah)anthracene			100		%		49-142	01-DEC-08
Fluoranthene			101		%		50-133	01-DEC-08
Fluorene			109		%		51-137	01-DEC-08
Indeno(1,2,3-cd)pyrene			101		%		38-134	01-DEC-08
Naphthalene			103		%		51-134	01-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Soil**							
Batch R763496								
WG877577-2 LCS								
Phenanthrene			97		%		57-137	01-DEC-08
Pyrene			100		%		45-126	01-DEC-08
Quinoline			106		%		25-175	01-DEC-08
WG877577-3 LCSD		**WG877577-2**						
1-Methylnaphthalene		100	106		%	5.5	45	01-DEC-08
2-Methylnaphthalene		90	96		%	6.5	45	01-DEC-08
Acenaphthene		108	113		%	4.3	24	01-DEC-08
Acenaphthylene		107	112		%	5.2	45	01-DEC-08
Acridine		123	125		%	1.5	45	01-DEC-08
Anthracene		103	104		%	0.58	45	01-DEC-08
Benzo(a)anthracene		100	99		%	0.50	45	01-DEC-08
Benzo(a)pyrene		97	100		%	2.8	45	01-DEC-08
Benzo(b)fluoranthene		82	84		%	2.4	45	01-DEC-08
Benzo(g,h,i)perylene		97	101		%	3.9	45	01-DEC-08
Benzo(k)fluoranthene		117	121		%	3.4	45	01-DEC-08
Chrysene		115	115		%	0.32	45	01-DEC-08
Dibenzo(ah)anthracene		100	104		%	3.6	45	01-DEC-08
Fluoranthene		101	102		%	1.9	45	01-DEC-08
Fluorene		109	114		%	4.7	45	01-DEC-08
Indeno(1,2,3-cd)pyrene		101	98		%	2.8	45	01-DEC-08
Naphthalene		103	107		%	3.4	45	01-DEC-08
Phenanthrene		97	101		%	4.0	45	01-DEC-08
Pyrene		100	103		%	2.3	45	01-DEC-08
Quinoline		106	110		%	3.5	45	01-DEC-08
WG877577-1 MB								
1-Methylnaphthalene			<0.05		mg/kg		0.05	01-DEC-08
2-Methylnaphthalene			<0.05		mg/kg		0.05	01-DEC-08
Acenaphthene			<0.05		mg/kg		0.05	01-DEC-08
Acenaphthylene			<0.05		mg/kg		0.05	01-DEC-08
Acridine			<0.8		mg/kg		0.8	01-DEC-08
Anthracene			<0.05		mg/kg		0.05	01-DEC-08
Benzo(a)anthracene			<0.05		mg/kg		0.05	01-DEC-08
Benzo(a)pyrene			<0.02		mg/kg		0.02	01-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Soil**							
Batch R763496								
WG877577-1 MB								
Benzo(b)fluoranthene			<0.05		mg/kg		0.05	01-DEC-08
Benzo(g,h,i)perylene			<0.05		mg/kg		0.05	01-DEC-08
Benzo(k)fluoranthene			<0.05		mg/kg		0.05	01-DEC-08
Chrysene			<0.05		mg/kg		0.05	01-DEC-08
Dibenzo(ah)anthracene			<0.05		mg/kg		0.05	01-DEC-08
Fluoranthene			<0.05		mg/kg		0.05	01-DEC-08
Fluorene			<0.05		mg/kg		0.05	01-DEC-08
Indeno(1,2,3-cd)pyrene			<0.05		mg/kg		0.05	01-DEC-08
Naphthalene			<0.05		mg/kg		0.05	01-DEC-08
Phenanthrene			<0.05		mg/kg		0.05	01-DEC-08
Pyrene			<0.05		mg/kg		0.05	01-DEC-08
Quinoline			<0.05		mg/kg		0.05	01-DEC-08
PCB-WT	**Soil**							
Batch R762567								
WG878144-1 CVS								
Aroclor 1242			97		%		40-140	28-NOV-08
Aroclor 1248			97		%		55-145	28-NOV-08
Aroclor 1254			101		%		40-140	28-NOV-08
Aroclor 1260			109		%		40-140	28-NOV-08
Total PCBs			101		%		33-138	28-NOV-08
WG878144-2 CVS								
Aroclor 1242			96		%		40-140	29-NOV-08
Aroclor 1248			97		%		55-145	29-NOV-08
Aroclor 1254			94		%		40-140	29-NOV-08
Aroclor 1260			98		%		40-140	29-NOV-08
Total PCBs			96		%		33-138	29-NOV-08
WG877577-5 DUP		**L712303-9**						
Aroclor 1242		<0.01	<0.01	RPD-NA	mg/kg	N/A	50	29-NOV-08
Aroclor 1248		<0.01	<0.01	RPD-NA	mg/kg	N/A	39	29-NOV-08
Aroclor 1254		<0.01	<0.01	RPD-NA	mg/kg	N/A	50	29-NOV-08
Aroclor 1260		<0.01	<0.01	RPD-NA	mg/kg	N/A	50	29-NOV-08
Total PCBs		<0.01	<0.01	RPD-NA	mg/kg	N/A	50	29-NOV-08
WG877577-2 LCS								
Aroclor 1242			93				62-133	

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-WT	**Soil**							
Batch R762567								
WG877577-2 LCS								
Aroclor 1242			93		%		62-133	28-NOV-08
Aroclor 1248			90		%		55-145	28-NOV-08
Aroclor 1254			91		%		58-130	28-NOV-08
Aroclor 1260			98		%		56-133	28-NOV-08
Total PCBs			93		%		25-175	28-NOV-08
WG877577-3 LCSD		**WG877577-2**						
Aroclor 1242		93	95		%	1.5	45	28-NOV-08
Aroclor 1248		90	90		%	0.0	45	28-NOV-08
Aroclor 1254		91	92		%	0.68	45	28-NOV-08
Aroclor 1260		98	103		%	4.9	45	28-NOV-08
Total PCBs		93	95		%	1.9	45	28-NOV-08
WG877577-1 MB								
Aroclor 1242			<0.01		mg/kg		0.01	28-NOV-08
Aroclor 1248			<0.01		mg/kg		0.01	28-NOV-08
Aroclor 1254			<0.01		mg/kg		0.01	28-NOV-08
Aroclor 1260			<0.01		mg/kg		0.01	28-NOV-08
Total PCBs			<0.01		mg/kg		0.01	28-NOV-08
PH-R153-WT	**Soil**							
Batch R762512								
WG878105-1 CVS								
pH			100		%		63-138	27-NOV-08
WG878105-2 DUP		**L712274-1**						
pH		7.20	7.13		pH units	0.98	26	27-NOV-08
WG878105-3 DUP		**L712303-1**						
pH		9.63	10.3		pH units	7.1	26	27-NOV-08
VOC-CCME-TABLE1-WT	**Soil**							
Batch R762774								
WG877833-1 CVS								
1,1,1,2-Tetrachloroethane			94		%		75-125	28-NOV-08
1,1,1-Trichloroethane			97		%		75-125	28-NOV-08
1,1,2,2-Tetrachloroethane			98		%		75-125	28-NOV-08
1,1,2-Trichloroethane			99		%		75-125	28-NOV-08
1,1-Dichloroethane			99		%		75-125	28-NOV-08
1,1-Dichloroethylene			97		%		75-125	28-NOV-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R762774								
WG877833-1 CVS								
1,2-Dichlorobenzene			94		%		75-125	28-NOV-08
1,2-Dichloroethane			104		%		75-125	28-NOV-08
1,2-Dichloropropane			99		%		75-125	28-NOV-08
1,3-Dichlorobenzene			96		%		75-125	28-NOV-08
1,4-Dichlorobenzene			94		%		75-125	28-NOV-08
2-Hexanone			102		%		75-125	28-NOV-08
Acetone			106		%		75-125	28-NOV-08
Benzene			102		%		75-125	28-NOV-08
Bromodichloromethane			101		%		75-125	28-NOV-08
Bromoform			97		%		75-125	28-NOV-08
Bromomethane			104		%		55-145	28-NOV-08
Carbon Disulfide			102		%		75-125	28-NOV-08
Carbon tetrachloride			99		%		75-125	28-NOV-08
Chlorobenzene			97		%		75-125	28-NOV-08
Dibromochloromethane			92		%		75-125	28-NOV-08
Chloroethane			104		%		75-125	28-NOV-08
Chloroform			100		%		75-125	28-NOV-08
Chloromethane			97		%		75-125	28-NOV-08
cis-1,2-Dichloroethylene			93		%		75-125	28-NOV-08
cis-1,3-Dichloropropene			93		%		75-125	28-NOV-08
Dibromomethane			99		%		55-145	28-NOV-08
Dichlorodifluoromethane			75		%		75-125	28-NOV-08
Ethyl Benzene			97		%		75-125	28-NOV-08
1,2-Dibromoethane			95		%		55-145	28-NOV-08
m+p-Xylenes			98		%		75-125	28-NOV-08
Methyl Ethyl Ketone			114		%		75-125	28-NOV-08
Methyl Isobutyl Ketone			107		%		55-145	28-NOV-08
MTBE			99		%		75-125	28-NOV-08
Dichloromethane			98		%		55-145	28-NOV-08
o-Xylene			93		%		75-125	28-NOV-08
Styrene			88		%		75-125	28-NOV-08
Tetrachloroethylene			95		%		75-125	28-NOV-08
Toluene			102		%		75-125	28-NOV-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R762774								
WG877833-1 CVS								
trans-1,2-Dichloroethylene			102		%		75-125	28-NOV-08
trans-1,3-Dichloropropene			92		%		75-125	28-NOV-08
Trichloroethylene			91		%		75-125	28-NOV-08
Trichlorofluoromethane			112		%		66-137	28-NOV-08
Vinyl chloride			105		%		75-125	28-NOV-08
WG877517-3 DUP		**WG877517-2**						
1,1,1,2-Tetrachloroethane		<0.008	<0.008	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,1,1-Trichloroethane		<0.008	<0.008	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,1,2,2-Tetrachloroethane		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,1,2-Trichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,1-Dichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,1-Dichloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,2-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,2-Dichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,2-Dichloropropane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,3-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,4-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
2-Hexanone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	28-NOV-08
Acetone		<0.5	<0.5	RPD-NA	mg/kg	N/A	39	28-NOV-08
Benzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
Bromodichloromethane		<0.005	<0.005	RPD-NA	mg/kg	N/A	39	28-NOV-08
Bromoform		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
Bromomethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	28-NOV-08
Carbon Disulfide		<0.02	<0.02	RPD-NA	mg/kg	N/A	39	28-NOV-08
Carbon tetrachloride		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
Chlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
Dibromochloromethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	28-NOV-08
Chloroethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	28-NOV-08
Chloroform		<0.006	<0.006	RPD-NA	mg/kg	N/A	39	28-NOV-08
Chloromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	28-NOV-08
cis-1,2-Dichloroethylene		<0.02	<0.02	RPD-NA	mg/kg	N/A	39	28-NOV-08
cis-1,3-Dichloropropene		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	28-NOV-08
Dibromomethane		<0.01	<0.01	RPD-NA	mg/kg	N/A	39	28-NOV-08

ALS Laboratory Group Quality Control Report

Workorder: L712303 Report Date: 01-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R762774								
WG877517-3 DUP		**WG877517-2**						
Dichlorodifluoromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	28-NOV-08
Ethyl Benzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
1,2-Dibromoethane		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	28-NOV-08
m+p-Xylenes		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
Methyl Ethyl Ketone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	28-NOV-08
Methyl Isobutyl Ketone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	28-NOV-08
MTBE		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	28-NOV-08
Dichloromethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	28-NOV-08
o-Xylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
Styrene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
Tetrachloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
Toluene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
trans-1,2-Dichloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	28-NOV-08
trans-1,3-Dichloropropene		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	28-NOV-08
Trichloroethylene		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	28-NOV-08
Trichlorofluoromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	28-NOV-08
Vinyl chloride		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	28-NOV-08
WG877517-1 MB								
1,1,1,2-Tetrachloroethane			<0.008		mg/kg		0.008	28-NOV-08
1,1,1-Trichloroethane			<0.008		mg/kg		0.008	28-NOV-08
1,1,2,2-Tetrachloroethane			<0.004		mg/kg		0.004	28-NOV-08
1,1,2-Trichloroethane			<0.002		mg/kg		0.002	28-NOV-08
1,1-Dichloroethane			<0.002		mg/kg		0.002	28-NOV-08
1,1-Dichloroethylene			<0.002		mg/kg		0.002	28-NOV-08
1,2-Dichlorobenzene			<0.002		mg/kg		0.002	28-NOV-08
1,2-Dichloroethane			<0.002		mg/kg		0.002	28-NOV-08
1,2-Dichloropropane			<0.002		mg/kg		0.002	28-NOV-08
1,3-Dichlorobenzene			<0.002		mg/kg		0.002	28-NOV-08
1,4-Dichlorobenzene			<0.002		mg/kg		0.002	28-NOV-08
2-Hexanone			<0.2		mg/kg		0.2	28-NOV-08
Acetone			<0.5		mg/kg		0.5	28-NOV-08
Benzene			<0.002		mg/kg		0.002	28-NOV-08
Bromodichloromethane			<0.005		mg/kg		0.005	28-NOV-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R762774								
WG877517-1 MB								
Bromoform			<0.002		mg/kg		0.002	28-NOV-08
Bromomethane			<0.003		mg/kg		0.003	28-NOV-08
Carbon Disulfide			<0.02		mg/kg		0.02	28-NOV-08
Carbon tetrachloride			<0.002		mg/kg		0.002	28-NOV-08
Chlorobenzene			<0.002		mg/kg		0.002	28-NOV-08
Dibromochloromethane			<0.003		mg/kg		0.003	28-NOV-08
Chloroethane			<0.03		mg/kg		0.03	28-NOV-08
Chloroform			<0.006		mg/kg		0.006	28-NOV-08
Chloromethane			<0.03		mg/kg		0.03	28-NOV-08
cis-1,2-Dichloroethylene			<0.02		mg/kg		0.02	28-NOV-08
cis-1,3-Dichloropropene			<0.003		mg/kg		0.003	28-NOV-08
Dibromomethane			<0.01		mg/kg		0.01	28-NOV-08
Dichlorodifluoromethane			<0.03		mg/kg		0.03	28-NOV-08
Ethyl Benzene			<0.002		mg/kg		0.002	28-NOV-08
1,2-Dibromoethane			<0.004		mg/kg		0.004	28-NOV-08
m+p-Xylenes			<0.002		mg/kg		0.002	28-NOV-08
Methyl Ethyl Ketone			<0.2		mg/kg		0.2	28-NOV-08
Methyl Isobutyl Ketone			<0.2		mg/kg		0.2	28-NOV-08
MTBE			<0.2		mg/kg		0.2	28-NOV-08
Dichloromethane			<0.003		mg/kg		0.003	28-NOV-08
o-Xylene			<0.002		mg/kg		0.002	28-NOV-08
Styrene			<0.002		mg/kg		0.002	28-NOV-08
Tetrachloroethylene			<0.002		mg/kg		0.002	28-NOV-08
Toluene			<0.002		mg/kg		0.002	28-NOV-08
trans-1,2-Dichloroethylene			<0.002		mg/kg		0.002	28-NOV-08
trans-1,3-Dichloropropene			<0.003		mg/kg		0.003	28-NOV-08
Trichloroethylene			<0.004		mg/kg		0.004	28-NOV-08
Trichlorofluoromethane			<0.03		mg/kg		0.03	28-NOV-08
Vinyl chloride			<0.003		mg/kg		0.003	28-NOV-08

ALS Laboratory Group Quality Control Report

Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Certificate of Analysis

XCG CONSULTANTS LTD.

ATTN: THOMAS KOLODZIEJ

820 TRILLIUM DRIVE

KITCHENER ON N2R 1K4

Reported On: 05-DEC-08 01:29 PM

Lab Work Order #: L713254 **Date Received:** 01-DEC-08

Project P.O. #:
Job Reference: 5-698-17-02
Legal Site Desc:
CofC Numbers: 69264

Other Information:

Comments:

NANCY GRAHAM
Account Manager

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L713254-1 BH3 (SS-2)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	02-DEC-08	R764211
Arsenic (As)	1		1	mg/kg	14	17	02-DEC-08	R764211
Selenium (Se)	<1		1	mg/kg	1.4	1.9	02-DEC-08	R764211
Boron (B), Available	<0.1		0.1	ug/g			02-DEC-08	R764169
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	04-DEC-08	R765163
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	02-DEC-08	R764296
Standard Metal Scan (ICP)								
Barium (Ba)	18		1	mg/kg	190	210	02-DEC-08	R764231
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	02-DEC-08	R764231
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	02-DEC-08	R764231
Chromium (Cr)	7		1	mg/kg	67	71	02-DEC-08	R764231
Cobalt (Co)	3		1	mg/kg	19	21	02-DEC-08	R764231
Copper (Cu)	8		1	mg/kg	56	85	02-DEC-08	R764231
Lead (Pb)	14		1	mg/kg	55	120	02-DEC-08	R764231
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	02-DEC-08	R764231
Nickel (Ni)	5		1	mg/kg	43	43	02-DEC-08	R764231
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	02-DEC-08	R764231
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	02-DEC-08	R764231
Vanadium (V)	8		1	mg/kg	91	91	02-DEC-08	R764231
Zinc (Zn)	102		1	mg/kg	150	160	02-DEC-08	R764231
VOC, F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			04-DEC-08	
F1-BTEX	<5		5	mg/kg			04-DEC-08	
F2 (C10-C16)	<10		10	mg/kg			04-DEC-08	
F2-Naphth	<10		10	mg/kg			04-DEC-08	
F3 (C16-C34)	<50		50	mg/kg			04-DEC-08	
F3-PAH	<50		50	mg/kg			04-DEC-08	
F4 (C34-C50)	<50		50	mg/kg			04-DEC-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg			04-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			04-DEC-08	
Prep/Analysis Dates				No Unit			02-DEC-08	R764516
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			04-DEC-08	R765314
Surr: Octacosane	84		60-120	%			04-DEC-08	R765314
Volatile Organics (153/04) Table 1								
1,1,1,2-Tetrachloroethane	<0.008		0.008	mg/kg			02-DEC-08	R763892
1,1,2,2-Tetrachloroethane	<0.004		0.004	mg/kg	0.004	0.004	02-DEC-08	R763892
1,1,1-Trichloroethane	<0.008		0.008	mg/kg	0.009	0.009	02-DEC-08	R763892
1,1,2-Trichloroethane	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
1,1-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
1,1-Dichloroethylene	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
1,2-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
1,2-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
1,2-Dibromoethane	<0.004		0.004	mg/kg	0.004	0.004	02-DEC-08	R763892

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L713254-1 BH3 (SS-2)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)								
Volatile Organics (153/04) Table 1								
1,2-Dichloropropane	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
1,3-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
1,4-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
2-Hexanone	<0.2		0.2	mg/kg			02-DEC-08	R763892
Acetone	<0.5		0.5	mg/kg			02-DEC-08	R763892
Benzene	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
Bromodichloromethane	<0.005		0.005	mg/kg			02-DEC-08	R763892
Bromoform	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
Bromomethane	<0.003		0.003	mg/kg	0.003	0.003	02-DEC-08	R763892
Carbon Disulfide	<0.02		0.02	mg/kg			02-DEC-08	R763892
Carbon tetrachloride	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
Chlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
Chloroethane	<0.03		0.03	mg/kg			02-DEC-08	R763892
Chloroform	<0.006		0.006	mg/kg	0.006	0.006	02-DEC-08	R763892
Chloromethane	<0.03		0.03	mg/kg			02-DEC-08	R763892
cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg			02-DEC-08	R763892
cis-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	02-DEC-08	R763892
Dibromomethane	<0.01		0.01	mg/kg			02-DEC-08	R763892
Dibromochloromethane	<0.003		0.003	mg/kg	0.003	0.003	02-DEC-08	R763892
Dichlorodifluoromethane	<0.03		0.03	mg/kg			02-DEC-08	R763892
Dichloromethane	<0.003		0.003	mg/kg	0.003	0.003	02-DEC-08	R763892
Ethyl Benzene	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
MTBE	<0.2		0.2	mg/kg			02-DEC-08	R763892
m+p-Xylenes	<0.002		0.002	mg/kg			02-DEC-08	R763892
Methyl Ethyl Ketone	<0.2		0.2	mg/kg			02-DEC-08	R763892
Methyl Isobutyl Ketone	<0.2		0.2	mg/kg			02-DEC-08	R763892
o-Xylene	<0.002		0.002	mg/kg			02-DEC-08	R763892
Styrene	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
Tetrachloroethylene	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
Toluene	0.003		0.002	mg/kg	** 0.002	** 0.002	02-DEC-08	R763892
trans-1,2-Dichloroethylene	<0.002		0.002	mg/kg	0.003	0.003	02-DEC-08	R763892
trans-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	02-DEC-08	R763892
Trichloroethylene	<0.004		0.004	mg/kg	0.004	0.004	02-DEC-08	R763892
Trichlorofluoromethane	<0.03		0.03	mg/kg			02-DEC-08	R763892
Vinyl chloride	<0.003		0.003	mg/kg	0.003	0.003	02-DEC-08	R763892
Xylenes (Total)	<0.002		0.002	mg/kg	0.002	0.002	02-DEC-08	R763892
Surr: 1,2-Dichloroethane d4	95		25-175	%			02-DEC-08	R763892
Surr: Toluene-d8	91		25-175	%			02-DEC-08	R763892
Surr: 4-Bromofluorobenzene	114		25-175	%			02-DEC-08	R763892
Individual Analytes								
% Moisture	8.0		0.5	%			01-DEC-08	R763998
CCME PAHs								
1-Methylnaphthalene	<0.05		0.05	mg/kg	0.05	0.26	03-DEC-08	R764751
2-Methylnaphthalene	<0.05		0.05	mg/kg			03-DEC-08	R764751
Acenaphthene	<0.05		0.05	mg/kg	0.05	0.07	03-DEC-08	R764751
Acenaphthylene	<0.05		0.05	mg/kg	0.08	0.08	03-DEC-08	R764751
Acridine	<0.8		0.8	mg/kg			03-DEC-08	R764751

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L713254-1 BH3 (SS-2)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Individual Analytes								
CCME PAHs								
Anthracene	<0.05		0.05	mg/kg	0.05	0.16	03-DEC-08	R764751
Benzo(a)anthracene	<0.05		0.05	mg/kg	0.10	0.74	03-DEC-08	R764751
Benzo(a)pyrene	<0.02		0.02	mg/kg	0.10	0.49	03-DEC-08	R764751
Benzo(b)fluoranthene	<0.05		0.05	mg/kg	0.30	0.47	03-DEC-08	R764751
Benzo(g,h,i)perylene	<0.05		0.05	mg/kg	0.20	0.68	03-DEC-08	R764751
Benzo(k)fluoranthene	<0.05		0.05	mg/kg	0.05	0.48	03-DEC-08	R764751
Chrysene	<0.05		0.05	mg/kg	0.18	0.69	03-DEC-08	R764751
Dibenzo(ah)anthracene	<0.05		0.05	mg/kg	0.15	0.16	03-DEC-08	R764751
Fluoranthene	<0.05		0.05	mg/kg	0.24	1.1	03-DEC-08	R764751
Fluorene	<0.05		0.05	mg/kg	0.05	0.12	03-DEC-08	R764751
Indeno(1,2,3-cd)pyrene	<0.05		0.05	mg/kg	0.11	0.38	03-DEC-08	R764751
Naphthalene	<0.05		0.05	mg/kg	0.05	0.09	03-DEC-08	R764751
Phenanthrene	<0.05		0.05	mg/kg	0.19	0.69	03-DEC-08	R764751
Pyrene	<0.05		0.05	mg/kg	0.19	1.0	03-DEC-08	R764751
Quinoline	<0.05		0.05	mg/kg			03-DEC-08	R764751
Surr: 2-Fluorobiphenyl	87		50-150	%			03-DEC-08	R764751
Surr: p-Terphenyl d14	84		52-158	%			03-DEC-08	R764751
pH	7.97		0.01	pH units			01-DEC-08	R764008
L713254-2 BH10 (SS-1)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			05-DEC-08	
F2 (C10-C16)	<100	DLA	100	mg/kg			05-DEC-08	
F2-Naphth	<100		100	mg/kg			05-DEC-08	
F3 (C16-C34)	1300	DLA	500	mg/kg			05-DEC-08	
F3-PAH	1300		500	mg/kg			05-DEC-08	
F4 (C34-C50)	2600	DLA	500	mg/kg			05-DEC-08	
F4G-SG (GHH-Silica)	7900		100	mg/kg			05-DEC-08	
Total Hydrocarbons (C6-C50)	3900		500	mg/kg			05-DEC-08	
Chromatogram to baseline at nC50	NO			No Unit			05-DEC-08	
Prep/Analysis Dates				No Unit			02-DEC-08	R764516
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			04-DEC-08	R765314
Surr: Octacosane	0	SOL:MI	60-120	%			04-DEC-08	R765314
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	02-DEC-08	R764211
Arsenic (As)	2		1	mg/kg	14	17	02-DEC-08	R764211
Selenium (Se)	<1		1	mg/kg	1.4	1.9	02-DEC-08	R764211
Boron (B), Available	0.1		0.1	ug/g			02-DEC-08	R764169
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	04-DEC-08	R765163

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L713254-2 BH10 (SS-1)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	02-DEC-08	R764296
Standard Metal Scan (ICP)								
Barium (Ba)	17		1	mg/kg	190	210	02-DEC-08	R764231
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	02-DEC-08	R764231
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	02-DEC-08	R764231
Chromium (Cr)	6		1	mg/kg	67	71	02-DEC-08	R764231
Cobalt (Co)	3		1	mg/kg	19	21	02-DEC-08	R764231
Copper (Cu)	11		1	mg/kg	56	85	02-DEC-08	R764231
Lead (Pb)	17		1	mg/kg	55	120	02-DEC-08	R764231
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	02-DEC-08	R764231
Nickel (Ni)	5		1	mg/kg	43	43	02-DEC-08	R764231
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	02-DEC-08	R764231
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	02-DEC-08	R764231
Vanadium (V)	8		1	mg/kg	91	91	02-DEC-08	R764231
Zinc (Zn)	99		1	mg/kg	150	160	02-DEC-08	R764231
Individual Analytes								
% Moisture	4.5		0.5	%			01-DEC-08	R763998
CCME PAHs								
1-Methylnaphthalene	<0.05		0.05	mg/kg	0.05	0.26	03-DEC-08	R764751
2-Methylnaphthalene	<0.05		0.05	mg/kg			03-DEC-08	R764751
Acenaphthene	<0.05		0.05	mg/kg	0.05	0.07	03-DEC-08	R764751
Acenaphthylene	<0.05		0.05	mg/kg	0.08	0.08	03-DEC-08	R764751
Acridine	<0.8		0.8	mg/kg			03-DEC-08	R764751
Anthracene	<0.05		0.05	mg/kg	0.05	0.16	03-DEC-08	R764751
Benzo(a)anthracene	<0.05		0.05	mg/kg	0.10	0.74	03-DEC-08	R764751
Benzo(a)pyrene	<0.02		0.02	mg/kg	0.10	0.49	03-DEC-08	R764751
Benzo(b)fluoranthene	<0.05		0.05	mg/kg	0.30	0.47	03-DEC-08	R764751
Benzo(g,h,i)perylene	0.06		0.05	mg/kg	0.20	0.68	03-DEC-08	R764751
Benzo(k)fluoranthene	<0.05		0.05	mg/kg	0.05	0.48	03-DEC-08	R764751
Chrysene	0.09		0.05	mg/kg	0.18	0.69	03-DEC-08	R764751
Dibenzo(ah)anthracene	<0.05		0.05	mg/kg	0.15	0.16	03-DEC-08	R764751
Fluoranthene	<0.05		0.05	mg/kg	0.24	1.1	03-DEC-08	R764751
Fluorene	<0.05		0.05	mg/kg	0.05	0.12	03-DEC-08	R764751
Indeno(1,2,3-cd)pyrene	<0.05		0.05	mg/kg	0.11	0.38	03-DEC-08	R764751
Naphthalene	<0.05		0.05	mg/kg	0.05	0.09	03-DEC-08	R764751
Phenanthrene	<0.05		0.05	mg/kg	0.19	0.69	03-DEC-08	R764751
Pyrene	<0.05		0.05	mg/kg	0.19	1.0	03-DEC-08	R764751
Quinoline	<0.05		0.05	mg/kg			03-DEC-08	R764751
Surr: 2-Fluorobiphenyl	88		50-150	%			03-DEC-08	R764751
Surr: p-Terphenyl d14	89		52-158	%			03-DEC-08	R764751
Prep/Analysis Dates				No Unit			05-DEC-08	R765583
pH	10.5		0.01	pH units			01-DEC-08	R764008
L713254-3 BH11 (SS-2)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L713254-3 BH11 (SS-2)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			04-DEC-08	
F2 (C10-C16)	<10		10	mg/kg			04-DEC-08	
F2-Naphth	<10		10	mg/kg			04-DEC-08	
F3 (C16-C34)	<50		50	mg/kg			04-DEC-08	
F3-PAH	<50		50	mg/kg			04-DEC-08	
F4 (C34-C50)	<50		50	mg/kg			04-DEC-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg			04-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			04-DEC-08	
Prep/Analysis Dates				No Unit			02-DEC-08	R764516
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			04-DEC-08	R765314
Surr: Octacosane	78		60-120	%			04-DEC-08	R765314
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	02-DEC-08	R764211
Arsenic (As)	1		1	mg/kg	14	17	02-DEC-08	R764211
Selenium (Se)	<1		1	mg/kg	1.4	1.9	02-DEC-08	R764211
Boron (B), Available	<0.1		0.1	ug/g			02-DEC-08	R764169
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	04-DEC-08	R765163
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	02-DEC-08	R764296
Standard Metal Scan (ICP)								
Barium (Ba)	18		1	mg/kg	190	210	02-DEC-08	R764231
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	02-DEC-08	R764231
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	02-DEC-08	R764231
Chromium (Cr)	8		1	mg/kg	67	71	02-DEC-08	R764231
Cobalt (Co)	3		1	mg/kg	19	21	02-DEC-08	R764231
Copper (Cu)	8		1	mg/kg	56	85	02-DEC-08	R764231
Lead (Pb)	11		1	mg/kg	55	120	02-DEC-08	R764231
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	02-DEC-08	R764231
Nickel (Ni)	5		1	mg/kg	43	43	02-DEC-08	R764231
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	02-DEC-08	R764231
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	02-DEC-08	R764231
Vanadium (V)	9		1	mg/kg	91	91	02-DEC-08	R764231
Zinc (Zn)	44		1	mg/kg	150	160	02-DEC-08	R764231
Individual Analytes								
% Moisture	10.7		0.5	%			01-DEC-08	R763998
CCME PAHs								
1-Methylnaphthalene	<0.05		0.05	mg/kg	0.05	0.26	03-DEC-08	R764751
2-Methylnaphthalene	<0.05		0.05	mg/kg			03-DEC-08	R764751
Acenaphthene	<0.05		0.05	mg/kg	0.05	0.07	03-DEC-08	R764751
Acenaphthylene	<0.05		0.05	mg/kg	0.08	0.08	03-DEC-08	R764751
Acridine	<0.8		0.8	mg/kg			03-DEC-08	R764751
Anthracene	<0.05		0.05	mg/kg	0.05	0.16	03-DEC-08	R764751
Benzo(a)anthracene	<0.05		0.05	mg/kg	0.10	0.74	03-DEC-08	R764751
Benzo(a)pyrene	<0.02		0.02	mg/kg	0.10	0.49	03-DEC-08	R764751

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L713254-3 BH11 (SS-2)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Individual Analytes								
CCME PAHs								
Benzo(b)fluoranthene	<0.05		0.05	mg/kg	0.30	0.47	03-DEC-08	R764751
Benzo(g,h,i)perylene	<0.05		0.05	mg/kg	0.20	0.68	03-DEC-08	R764751
Benzo(k)fluoranthene	<0.05		0.05	mg/kg	0.05	0.48	03-DEC-08	R764751
Chrysene	<0.05		0.05	mg/kg	0.18	0.69	03-DEC-08	R764751
Dibenzo(ah)anthracene	<0.05		0.05	mg/kg	0.15	0.16	03-DEC-08	R764751
Fluoranthene	<0.05		0.05	mg/kg	0.24	1.1	03-DEC-08	R764751
Fluorene	<0.05		0.05	mg/kg	0.05	0.12	03-DEC-08	R764751
Indeno(1,2,3-cd)pyrene	<0.05		0.05	mg/kg	0.11	0.38	03-DEC-08	R764751
Naphthalene	<0.05		0.05	mg/kg	0.05	0.09	03-DEC-08	R764751
Phenanthrene	<0.05		0.05	mg/kg	0.19	0.69	03-DEC-08	R764751
Pyrene	<0.05		0.05	mg/kg	0.19	1.0	03-DEC-08	R764751
Quinoline	<0.05		0.05	mg/kg			03-DEC-08	R764751
Surr: 2-Fluorobiphenyl	91		50-150	%			03-DEC-08	R764751
Surr: p-Terphenyl d14	90		52-158	%			03-DEC-08	R764751
pH	8.08		0.01	pH units			01-DEC-08	R764008
L713254-4 BH17 (SS-3)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			04-DEC-08	
F2 (C10-C16)	<10		10	mg/kg			04-DEC-08	
F3 (C16-C34)	<50		50	mg/kg			04-DEC-08	
F4 (C34-C50)	<50		50	mg/kg			04-DEC-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg			04-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			04-DEC-08	
Prep/Analysis Dates				No Unit			02-DEC-08	R764516
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			04-DEC-08	R765314
Surr: Octacosane	69		60-120	%			04-DEC-08	R765314
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	02-DEC-08	R764211
Arsenic (As)	<1		1	mg/kg	14	17	02-DEC-08	R764211
Selenium (Se)	<1		1	mg/kg	1.4	1.9	02-DEC-08	R764211
Boron (B), Available	<0.1		0.1	ug/g			02-DEC-08	R764169
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	04-DEC-08	R765163
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	02-DEC-08	R764296
Standard Metal Scan (ICP)								
Barium (Ba)	10		1	mg/kg	190	210	02-DEC-08	R764231
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	02-DEC-08	R764231
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	02-DEC-08	R764231

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L713254-4 BH17 (SS-3)								
Sampled By: CLIENT on 27-NOV-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
Standard Metal Scan (ICP)								
Chromium (Cr)	5		1	mg/kg	67	71	02-DEC-08	R764231
Cobalt (Co)	2		1	mg/kg	19	21	02-DEC-08	R764231
Copper (Cu)	6		1	mg/kg	56	85	02-DEC-08	R764231
Lead (Pb)	6		1	mg/kg	55	120	02-DEC-08	R764231
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	02-DEC-08	R764231
Nickel (Ni)	3		1	mg/kg	43	43	02-DEC-08	R764231
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	02-DEC-08	R764231
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	02-DEC-08	R764231
Vanadium (V)	12		1	mg/kg	91	91	02-DEC-08	R764231
Zinc (Zn)	31		1	mg/kg	150	160	02-DEC-08	R764231
Individual Analytes								
% Moisture	7.7		0.5	%			01-DEC-08	R763998
pH	8.10		0.01	pH units			01-DEC-08	R764008

** analytical results for this parameter exceed criteria limits listed on this report

Sample Parameter Qualifier key listed:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution
SOL:MI	Surrogate recovery outside acceptable limits due to matrix interference

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
AS,SB,SE-3050-MS-WT	Soil	As, Sb and Se by ICP/MS		SW846 3050B/6020A
B-AVAIL-WT	Soil	Boron (B), Available		HW EXTR, EPA 6010B
CR-CR6-WT	Soil	Hexavalent Chromium in Soil		EPA 7196
ETL-TVH,TEH-CCME-WT	Soil	CCME Total Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-WT	Soil	F1 (O.Reg.153/04)	MOE DECPH-E3398/CCME Tier 1
F2-F4-WT	Soil	F2-F4 (O.Reg.153/04)	MOE DECPH-E3398/CCME Tier 1
F4G-ADD-WT	Soil	F4G-SG (O.Reg.153/04)	MOE DECPH-E3398/CCME Tier 1
HG-WT	Soil	Mercury by CVAA	SW846 7470A
MET-R153-WT	Soil	Standard Metal Scan (ICP)	EPA 3050
MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried
PAH-CCME-WT	Soil	CCME PAHs	SW846 8270
PH-R153-WT	Soil	pH	MOEE E3137A
VOC-CCME-TABLE1-WT	Soil	Volatile Organics (153/04) Table 1	MOE-E3254

Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

69264

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS LABORATORY GROUP - WATERLOO, ONTARIO, CAN		

Reference Information

5-698-17-02

GLOSSARY OF REPORT TERMS
Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds. The reported surrogate recovery value provides a measure of method efficiency. The Laboratory control limits are determined under column heading D.L.
mg/kg (units) - unit of concentration based on mass, parts per million
mg/L (units) - unit of concentration based on volume, parts per million
< - Less than
D.L. - Detection Limit
N/A - Result not available. Refer to qualifier code and definition for explanation

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS.
Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.

ALS provides criteria information as a service to you, our customer. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. ALS recommends review of the most current version of the regulation, and assumes no responsibility for the accuracy of the criteria levels indicated.

ALS Laboratory Group Quality Control Report

Workorder: L713254 Report Date: 05-DEC-08

Client: XCG CONSULTANTS LTD.
820 TRILLIUM DRIVE
KITCHENER ON N2R 1K4
Contact: THOMAS KOLODZIEJ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
AS,SB,SE-3050-MS-WT	**Soil**							
Batch R764211								
WG879851-2 CVS								
Antimony (Sb)			105		%		63-138	02-DEC-08
Arsenic (As)			119		%		63-138	02-DEC-08
Selenium (Se)			115		%		63-138	02-DEC-08
WG879815-4 DUP		**WG879815-3**						
Antimony (Sb)		<1	<1	RPD-NA	mg/kg	N/A	26	02-DEC-08
Arsenic (As)		1	1	J	mg/kg	0	4	02-DEC-08
Selenium (Se)		<1	<1	RPD-NA	mg/kg	N/A	26	02-DEC-08
WG879815-2 LCS								
Arsenic (As)			86		%		63-138	02-DEC-08
Selenium (Se)			78		%		63-138	02-DEC-08
WG879815-1 MB								
Antimony (Sb)			<1		mg/kg		1	02-DEC-08
Arsenic (As)			<1		mg/kg		1	02-DEC-08
Selenium (Se)			<1		mg/kg		1	02-DEC-08
B-AVAIL-WT	**Soil**							
Batch R764169								
WG879825-3 DUP		**L713553-3**						
Boron (B), Available		0.1	0.1	J	ug/g	0.0	0.4	02-DEC-08
WG879825-2 LCS								
Boron (B), Available			103		%		60-140	02-DEC-08
WG879825-1 MB								
Boron (B), Available			<0.1		ug/g		0.1	02-DEC-08
CR-CR6-WT	**Soil**							
Batch R765163								
WG881084-3 DUP		**L713254-4**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	04-DEC-08
WG881084-4 DUP		**L714136-1**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	04-DEC-08
WG881084-5 DUP		**L714614-4**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	04-DEC-08
WG881084-1 MB								
Chromium, Hexavalent			<2		mg/kg		2	04-DEC-08
F1-WT	**Soil**							

ALS Laboratory Group Quality Control Report

Workorder: L713254 Report Date: 05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F1-WT	**Soil**							
Batch R764516								
WG879810-1 CVS								
TVH: (C6-C10 / No BTEX Correction)			86		%		59-131	02-DEC-08
WG879192-3 DUP		**WG879192-2**						
TVH: (C6-C10 / No BTEX Correction)		<5	<5	RPD-NA	mg/kg	N/A	65	02-DEC-08
WG879192-1 MB								
TVH: (C6-C10 / No BTEX Correction)			<5		mg/kg		5	02-DEC-08
F2-F4-WT	**Soil**							
Batch R765314								
WG880559-1 CVS								
F2 (C10-C16)			96		%		80-120	04-DEC-08
F3 (C16-C34)			103		%		80-120	04-DEC-08
F4 (C34-C50)			106		%		70-130	04-DEC-08
WG879279-4 DUP		**L713118-2**						
F2 (C10-C16)		<10	<10	RPD-NA	mg/kg	N/A	65	04-DEC-08
F3 (C16-C34)		<50	<50	RPD-NA	mg/kg	N/A	65	04-DEC-08
F4 (C34-C50)		<50	<50	RPD-NA	mg/kg	N/A	65	04-DEC-08
WG879279-2 LCS								
F2 (C10-C16)			95		%		54-120	04-DEC-08
F3 (C16-C34)			98		%		60-106	04-DEC-08
F4 (C34-C50)			98		%		52-122	04-DEC-08
WG879279-3 LCSD		**WG879279-2**						
F2 (C10-C16)		95	93		%	2.5	45	04-DEC-08
F3 (C16-C34)		98	94		%	3.5	45	04-DEC-08
F4 (C34-C50)		98	99		%	0.52	45	04-DEC-08
WG879279-1 MB								
F2 (C10-C16)			<10		mg/kg		10	04-DEC-08
F3 (C16-C34)			<50		mg/kg		50	04-DEC-08
F4 (C34-C50)			<50		mg/kg		50	04-DEC-08
HG-WT	**Soil**							
Batch R764296								
WG879845-3 DUP		**L713254-1**						
Mercury (Hg)		<0.05	<0.05	RPD-NA	ug/g	N/A	20	02-DEC-08
WG879845-2 LCS								
Mercury (Hg)			89		%		70-130	02-DEC-08
WG879845-1 MB								
Mercury (Hg)			<0.05		ug/g		0.05	02-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Soil**							
Batch R764231								
WG879914-2 CVS								
Barium (Ba)			104		%		80-120	02-DEC-08
Beryllium (Be)			98		%		80-120	02-DEC-08
Cadmium (Cd)			102		%		80-120	02-DEC-08
Chromium (Cr)			101		%		80-120	02-DEC-08
Cobalt (Co)			103		%		80-120	02-DEC-08
Copper (Cu)			102		%		80-120	02-DEC-08
Lead (Pb)			102		%		80-120	02-DEC-08
Molybdenum (Mo)			97		%		80-120	02-DEC-08
Nickel (Ni)			102		%		80-120	02-DEC-08
Silver (Ag)			95		%		80-120	02-DEC-08
Thallium (Tl)			102		%		80-120	02-DEC-08
Vanadium (V)			93		%		80-120	02-DEC-08
Zinc (Zn)			96		%		80-120	02-DEC-08
WG879815-4 DUP		**WG879815-3**						
Barium (Ba)		14	14		mg/kg	0.086	20	02-DEC-08
Beryllium (Be)		<0.5	<0.5	RPD-NA	mg/kg	N/A	20	02-DEC-08
Cadmium (Cd)		<0.5	<0.5	RPD-NA	mg/kg	N/A	20	02-DEC-08
Chromium (Cr)		7	7	J	mg/kg	0	4	02-DEC-08
Cobalt (Co)		3	3	J	mg/kg	0	4	02-DEC-08
Copper (Cu)		8	8	J	mg/kg	0	4	02-DEC-08
Lead (Pb)		13	10		mg/kg	25	120	02-DEC-08
Molybdenum (Mo)		<1	<1	RPD-NA	mg/kg	N/A	20	02-DEC-08
Nickel (Ni)		5	5	J	mg/kg	0	4	02-DEC-08
Silver (Ag)		<0.2	<0.2	RPD-NA	mg/kg	N/A	20	02-DEC-08
Thallium (Tl)		<1	<1	RPD-NA	mg/kg	N/A	20	02-DEC-08
Vanadium (V)		8	8	J	mg/kg	0	4	02-DEC-08
Zinc (Zn)		66	63		mg/kg	3.4	20	02-DEC-08
WG879815-2 LCS								
Barium (Ba)			102		%		80-120	02-DEC-08
Beryllium (Be)			96		%		80-120	02-DEC-08
Cadmium (Cd)			95		%		80-120	02-DEC-08
Chromium (Cr)			102		%		80-120	02-DEC-08
Cobalt (Co)			101		%		80-120	02-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Soil**							
Batch R764231								
WG879815-2 LCS								
Copper (Cu)			100		%		80-120	02-DEC-08
Lead (Pb)			101		%		80-120	02-DEC-08
Nickel (Ni)			99		%		80-120	02-DEC-08
Thallium (Tl)			94		%		80-120	02-DEC-08
Vanadium (V)			97		%		80-120	02-DEC-08
Zinc (Zn)			89		%		80-120	02-DEC-08
WG879815-1 MB								
Barium (Ba)			<1		mg/kg		1	02-DEC-08
Beryllium (Be)			<0.5		mg/kg		0.5	02-DEC-08
Cadmium (Cd)			<0.5		mg/kg		0.5	02-DEC-08
Chromium (Cr)			<1		mg/kg		1	02-DEC-08
Cobalt (Co)			<1		mg/kg		1	02-DEC-08
Copper (Cu)			<1		mg/kg		1	02-DEC-08
Lead (Pb)			<1		mg/kg		1	02-DEC-08
Molybdenum (Mo)			<1		mg/kg		1	02-DEC-08
Nickel (Ni)			<1		mg/kg		1	02-DEC-08
Silver (Ag)			<0.2		mg/kg		0.2	02-DEC-08
Thallium (Tl)			<1		mg/kg		1	02-DEC-08
Vanadium (V)			<1		mg/kg		1	02-DEC-08
Zinc (Zn)			<1		mg/kg		1	02-DEC-08
MOISTURE-WT	**Soil**							
Batch R763998								
WG879396-3 DUP		**L713351-6**						
% Moisture		11.1	11.2		%	0.71	26	01-DEC-08
WG879396-2 LCS								
% Moisture			104		%		79-120	01-DEC-08
WG879396-1 MB								
% Moisture			<0.5		%		0.5	01-DEC-08
PAH-CCME-WT	**Soil**							
Batch R764751								
WG879812-1 CVS								
1-Methylnaphthalene			80		%		71-127	03-DEC-08
2-Methylnaphthalene			72		%		68-115	03-DEC-08
Acenaphthene			83		%		66-128	03-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Soil**							
Batch R764751								
WG879812-1 CVS								
Acenaphthylene			82		%		60-132	03-DEC-08
Acridine			113		%		69-145	03-DEC-08
Anthracene			91		%		64-123	03-DEC-08
Benzo(a)anthracene			97		%		75-134	03-DEC-08
Benzo(a)pyrene			85		%		60-135	03-DEC-08
Benzo(b)fluoranthene			79		%		67-131	03-DEC-08
Benzo(g,h,i)perylene			85		%		60-136	03-DEC-08
Benzo(k)fluoranthene			105		%		68-137	03-DEC-08
Chrysene			94		%		72-131	03-DEC-08
Dibenzo(ah)anthracene			83		%		64-133	03-DEC-08
Fluoranthene			87		%		75-124	03-DEC-08
Fluorene			84		%		75-127	03-DEC-08
Indeno(1,2,3-cd)pyrene			95		%		58-140	03-DEC-08
Naphthalene			82		%		69-122	03-DEC-08
Phenanthrene			91		%		77-126	03-DEC-08
Pyrene			87		%		76-127	03-DEC-08
Quinoline			100		%		70-120	03-DEC-08
WG879302-5 DUP		**L713254-1**						
1-Methylnaphthalene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
2-Methylnaphthalene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Acenaphthene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Acenaphthylene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Acridine		<0.8	<0.8	RPD-NA	mg/kg	N/A	39	03-DEC-08
Anthracene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Benzo(a)anthracene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Benzo(a)pyrene		<0.02	<0.02	RPD-NA	mg/kg	N/A	65	03-DEC-08
Benzo(b)fluoranthene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Benzo(g,h,i)perylene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Benzo(k)fluoranthene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Chrysene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Dibenzo(ah)anthracene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Fluoranthene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Fluorene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Soil**							
Batch R764751								
WG879302-5 DUP		**L713254-1**						
Indeno(1,2,3-cd)pyrene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Naphthalene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Phenanthrene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Pyrene		<0.05	<0.05	RPD-NA	mg/kg	N/A	65	03-DEC-08
Quinoline		<0.05	<0.05	RPD-NA	mg/kg	N/A	39	03-DEC-08
WG879302-2 LCS								
1-Methylnaphthalene			85		%		74-131	03-DEC-08
2-Methylnaphthalene			76		%		70-127	03-DEC-08
Acenaphthene			88		%		54-134	03-DEC-08
Acenaphthylene			87		%		49-136	03-DEC-08
Acridine			112		%		43-131	03-DEC-08
Anthracene			89		%		49-134	03-DEC-08
Benzo(a)anthracene			95		%		49-141	03-DEC-08
Benzo(a)pyrene			85		%		42-131	03-DEC-08
Benzo(b)fluoranthene			81		%		46-131	03-DEC-08
Benzo(g,h,i)perylene			85		%		43-126	03-DEC-08
Benzo(k)fluoranthene			100		%		48-143	03-DEC-08
Chrysene			93		%		48-129	03-DEC-08
Dibenzo(ah)anthracene			81		%		49-142	03-DEC-08
Fluoranthene			86		%		50-133	03-DEC-08
Fluorene			88		%		51-137	03-DEC-08
Indeno(1,2,3-cd)pyrene			93		%		38-134	03-DEC-08
Naphthalene			83		%		51-134	03-DEC-08
Phenanthrene			91		%		57-137	03-DEC-08
Pyrene			87		%		45-126	03-DEC-08
Quinoline			97		%		25-175	03-DEC-08
WG879302-3 LCSD		**WG879302-2**						
1-Methylnaphthalene		85	80		%	5.7	45	03-DEC-08
2-Methylnaphthalene		76	72		%	6.1	45	03-DEC-08
Acenaphthene		88	83		%	6.2	24	03-DEC-08
Acenaphthylene		87	82		%	5.1	45	03-DEC-08
Acridine		112	112		%	0.64	45	03-DEC-08
Anthracene		89	88		%	1.8	45	03-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Soil**							
Batch R764751								
WG879302-3 LCSD		**WG879302-2**						
Benzo(a)anthracene		95	92		%	3.6	45	03-DEC-08
Benzo(a)pyrene		85	84		%	1.3	45	03-DEC-08
Benzo(b)fluoranthene		81	81		%	0.47	45	03-DEC-08
Benzo(g,h,i)perylene		85	83		%	2.6	45	03-DEC-08
Benzo(k)fluoranthene		100	98		%	1.7	45	03-DEC-08
Chrysene		93	93		%	0.83	45	03-DEC-08
Dibenzo(ah)anthracene		81	79		%	2.9	45	03-DEC-08
Fluoranthene		86	85		%	1.5	45	03-DEC-08
Fluorene		88	82		%	6.2	45	03-DEC-08
Indeno(1,2,3-cd)pyrene		93	84		%	9.8	45	03-DEC-08
Naphthalene		83	82		%	0.55	45	03-DEC-08
Phenanthrene		91	89		%	3.1	45	03-DEC-08
Pyrene		87	85		%	1.5	45	03-DEC-08
Quinoline		97	91		%	6.0	45	03-DEC-08
WG879302-1 MB								
1-Methylnaphthalene			<0.05		mg/kg		0.05	03-DEC-08
2-Methylnaphthalene			<0.05		mg/kg		0.05	03-DEC-08
Acenaphthene			<0.05		mg/kg		0.05	03-DEC-08
Acenaphthylene			<0.05		mg/kg		0.05	03-DEC-08
Acridine			<0.8		mg/kg		0.8	03-DEC-08
Anthracene			<0.05		mg/kg		0.05	03-DEC-08
Benzo(a)anthracene			<0.05		mg/kg		0.05	03-DEC-08
Benzo(a)pyrene			<0.02		mg/kg		0.02	03-DEC-08
Benzo(b)fluoranthene			<0.05		mg/kg		0.05	03-DEC-08
Benzo(g,h,i)perylene			<0.05		mg/kg		0.05	03-DEC-08
Benzo(k)fluoranthene			<0.05		mg/kg		0.05	03-DEC-08
Chrysene			<0.05		mg/kg		0.05	03-DEC-08
Dibenzo(ah)anthracene			<0.05		mg/kg		0.05	03-DEC-08
Fluoranthene			<0.05		mg/kg		0.05	03-DEC-08
Fluorene			<0.05		mg/kg		0.05	03-DEC-08
Indeno(1,2,3-cd)pyrene			<0.05		mg/kg		0.05	03-DEC-08
Naphthalene			<0.05		mg/kg		0.05	03-DEC-08
Phenanthrene			<0.05		mg/kg		0.05	03-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Soil**							
Batch R764751								
WG879302-1 MB								
Pyrene			<0.05		mg/kg		0.05	03-DEC-08
Quinoline			<0.05		mg/kg		0.05	03-DEC-08
PH-R153-WT	**Soil**							
Batch R764008								
WG879793-1 CVS								
pH			100		%		63-138	01-DEC-08
WG879793-2 DUP		**L713553-1**						
pH		7.96	7.97		pH units	0.13	26	01-DEC-08
WG879793-3 DUP		**L713574-2**						
pH		7.70	7.66		pH units	0.52	26	01-DEC-08
VOC-CCME-TABLE1-WT	**Soil**							
Batch R763892								
WG879388-1 CVS								
1,1,1,2-Tetrachloroethane			98		%		75-125	01-DEC-08
1,1,1-Trichloroethane			101		%		75-125	01-DEC-08
1,1,2,2-Tetrachloroethane			102		%		75-125	01-DEC-08
1,1,2-Trichloroethane			98		%		75-125	01-DEC-08
1,1-Dichloroethane			102		%		75-125	01-DEC-08
1,1-Dichloroethylene			102		%		75-125	01-DEC-08
1,2-Dichlorobenzene			100		%		75-125	01-DEC-08
1,2-Dichloroethane			107		%		75-125	01-DEC-08
1,2-Dichloropropane			103		%		75-125	01-DEC-08
1,3-Dichlorobenzene			102		%		75-125	01-DEC-08
1,4-Dichlorobenzene			102		%		75-125	01-DEC-08
2-Hexanone			104		%		75-125	01-DEC-08
Acetone			111		%		75-125	01-DEC-08
Benzene			105		%		75-125	01-DEC-08
Bromodichloromethane			105		%		75-125	01-DEC-08
Bromoform			102		%		75-125	01-DEC-08
Bromomethane			99		%		55-145	01-DEC-08
Carbon Disulfide			102		%		75-125	01-DEC-08
Carbon tetrachloride			105		%		75-125	01-DEC-08
Chlorobenzene			102		%		75-125	01-DEC-08
Dibromochloromethane			94				75-125	

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R763892								
WG879388-1 CVS								
Dibromochloromethane			94		%		75-125	01-DEC-08
Chloroethane			101		%		75-125	01-DEC-08
Chloroform			105		%		75-125	01-DEC-08
Chloromethane			87		%		75-125	01-DEC-08
cis-1,2-Dichloroethylene			99		%		75-125	01-DEC-08
cis-1,3-Dichloropropene			97		%		75-125	01-DEC-08
Dibromomethane			101		%		55-145	01-DEC-08
Ethyl Benzene			109		%		75-125	01-DEC-08
1,2-Dibromoethane			96		%		55-145	01-DEC-08
m+p-Xylenes			109		%		75-125	01-DEC-08
Methyl Ethyl Ketone			113		%		75-125	01-DEC-08
Methyl Isobutyl Ketone			106		%		55-145	01-DEC-08
MTBE			102		%		75-125	01-DEC-08
Dichloromethane			100		%		55-145	01-DEC-08
o-Xylene			108		%		75-125	01-DEC-08
Styrene			105		%		75-125	01-DEC-08
Tetrachloroethylene			102		%		75-125	01-DEC-08
Toluene			106		%		75-125	01-DEC-08
trans-1,2-Dichloroethylene			106		%		75-125	01-DEC-08
trans-1,3-Dichloropropene			97		%		75-125	01-DEC-08
Trichloroethylene			96		%		75-125	01-DEC-08
Trichlorofluoromethane			110		%		66-137	01-DEC-08
Vinyl chloride			97		%		75-125	01-DEC-08
Dichlorodifluoromethane			59	G	%		75-125	01-DEC-08
COMMENTS: 10% of analytes may exceed QC limits. Analyte not present in related samples.								
WG879189-3 DUP		**WG879189-2**						
1,1,1,2-Tetrachloroethane		<0.008	<0.008	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1,1-Trichloroethane		<0.008	<0.008	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1,2,2-Tetrachloroethane		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1,2-Trichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1-Dichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1-Dichloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,2-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L713254 Report Date: 05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R763892								
WG879189-3 DUP		**WG879189-2**						
1,2-Dichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,2-Dichloropropane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,3-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,4-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
2-Hexanone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	02-DEC-08
Acetone		<0.5	<0.5	RPD-NA	mg/kg	N/A	39	02-DEC-08
Benzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Bromodichloromethane		<0.005	<0.005	RPD-NA	mg/kg	N/A	39	02-DEC-08
Bromoform		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Bromomethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
Carbon Disulfide		<0.02	<0.02	RPD-NA	mg/kg	N/A	39	02-DEC-08
Carbon tetrachloride		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Chlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Dibromochloromethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
Chloroethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	02-DEC-08
Chloroform		<0.006	<0.006	RPD-NA	mg/kg	N/A	39	02-DEC-08
Chloromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	02-DEC-08
cis-1,2-Dichloroethylene		<0.02	<0.02	RPD-NA	mg/kg	N/A	39	02-DEC-08
cis-1,3-Dichloropropene		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
Dibromomethane		<0.01	<0.01	RPD-NA	mg/kg	N/A	39	02-DEC-08
Dichlorodifluoromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	02-DEC-08
Ethyl Benzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,2-Dibromoethane		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	02-DEC-08
m+p-Xylenes		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Methyl Ethyl Ketone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	02-DEC-08
Methyl Isobutyl Ketone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	02-DEC-08
MTBE		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	02-DEC-08
Dichloromethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
o-Xylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Styrene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Tetrachloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Toluene		0.003	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
trans-1,2-Dichloroethylene		<0.002	<0.002					02-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R763892								
WG879189-3 DUP		**WG879189-2**						
trans-1,2-Dichloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
trans-1,3-Dichloropropene		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
Trichloroethylene		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	02-DEC-08
Trichlorofluoromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	02-DEC-08
Vinyl chloride		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
WG879189-4 DUP		**WG879189-2**						
1,1,1,2-Tetrachloroethane		<0.008	<0.008	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1,1-Trichloroethane		<0.008	<0.008	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1,2,2-Tetrachloroethane		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1,2-Trichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1-Dichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,1-Dichloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,2-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,2-Dichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,2-Dichloropropane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,3-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,4-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
2-Hexanone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	02-DEC-08
Acetone		<0.5	<0.5	RPD-NA	mg/kg	N/A	39	02-DEC-08
Benzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Bromodichloromethane		<0.005	<0.005	RPD-NA	mg/kg	N/A	39	02-DEC-08
Bromoform		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Bromomethane		<0.003	0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
Carbon Disulfide		<0.02	<0.02	RPD-NA	mg/kg	N/A	39	02-DEC-08
Carbon tetrachloride		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Chlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Dibromochloromethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
Chloroethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	02-DEC-08
Chloroform		<0.006	<0.006	RPD-NA	mg/kg	N/A	39	02-DEC-08
Chloromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	02-DEC-08
cis-1,2-Dichloroethylene		<0.02	<0.02	RPD-NA	mg/kg	N/A	39	02-DEC-08
cis-1,3-Dichloropropene		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
Dibromomethane		<0.01	<0.01	RPD-NA	mg/kg	N/A	39	02-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R763892								
WG879189-4 DUP		**WG879189-2**						
Dichlorodifluoromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	02-DEC-08
Ethyl Benzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
1,2-Dibromoethane		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	02-DEC-08
m+p-Xylenes		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Methyl Ethyl Ketone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	02-DEC-08
Methyl Isobutyl Ketone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	02-DEC-08
MTBE		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	02-DEC-08
Dichloromethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
o-Xylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Styrene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Tetrachloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
Toluene		0.003	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
trans-1,2-Dichloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	02-DEC-08
trans-1,3-Dichloropropene		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08
Trichloroethylene		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	02-DEC-08
Trichlorofluoromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	02-DEC-08
Vinyl chloride		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	02-DEC-08

ALS Laboratory Group Quality Control Report

Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Certificate of Analysis

XCG CONSULTANTS LTD.

ATTN: THOMAS KOLODZIEJ

820 TRILLIUM DRIVE

KITCHENER ON N2R 1K4

Reported On: 09-DEC-08 03:29 PM

Lab Work Order #: **L714516** **Date Received:** **02-DEC-08**

Project P.O. #:
Job Reference: 5-698-17-02
Legal Site Desc:
CofC Numbers: 62600

Other Information:

Comments:

MARY-LYNN PIKE
Account Manager

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714516-1 BH-2 (SS-2)							
Sampled By: LUKE T on 02-DEC-08							
Matrix: SOIL					AGRICULTURAL OR OTHER / ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B							
As, Sb and Se by ICP/MS							
Antimony (Sb)	<1		1	mg/kg	1 / 1	09-DEC-08	R767196
Arsenic (As)	2		1	mg/kg	14 / 17	09-DEC-08	R767196
Selenium (Se)	<1		1	mg/kg	1.4 / 1.9	09-DEC-08	R767196
Boron (B), Available	0.2		0.1	ug/g		05-DEC-08	R765821
Chromium, Hexavalent	<2		2	mg/kg	2.5 / 2.5	04-DEC-08	R765163
Mercury (Hg)	<0.05		0.05	ug/g	0.16 / 0.23	05-DEC-08	R765905
Standard Metal Scan (ICP)							
Barium (Ba)	18		1	mg/kg	190 / 210	05-DEC-08	R765820
Beryllium (Be)	<0.5		0.5	mg/kg	1.2 / 1.2	05-DEC-08	R765820
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0 / 1.0	05-DEC-08	R765820
Chromium (Cr)	8		1	mg/kg	67 / 71	05-DEC-08	R765820
Cobalt (Co)	3		1	mg/kg	19 / 21	05-DEC-08	R765820
Copper (Cu)	8		1	mg/kg	56 / 85	05-DEC-08	R765820
Lead (Pb)	9		1	mg/kg	55 / 120	05-DEC-08	R765820
Molybdenum (Mo)	<1		1	mg/kg	2.5 / 2.5	05-DEC-08	R765820
Nickel (Ni)	5		1	mg/kg	43 / 43	05-DEC-08	R765820
Silver (Ag)	<0.2		0.2	mg/kg	0.35 / 0.42	05-DEC-08	R765820
Thallium (Tl)	<1		1	mg/kg	2.5 / 2.5	05-DEC-08	R765820
Vanadium (V)	15		1	mg/kg	91 / 91	05-DEC-08	R765820
Zinc (Zn)	182		1	mg/kg	** 150 / ** 160	05-DEC-08	R765820
VOC, F1-F4 (O.Reg.153/04)							
CCME Total Hydrocarbons							
F1 (C6-C10)	<5		5	mg/kg		04-DEC-08	
F1-BTEX	<5		5	mg/kg		04-DEC-08	
F2 (C10-C16)	<10		10	mg/kg		04-DEC-08	
F3 (C16-C34)	<50		50	mg/kg		04-DEC-08	
F4 (C34-C50)	<50		50	mg/kg		04-DEC-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg		04-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit		04-DEC-08	
Prep/Analysis Dates				No Unit		04-DEC-08	R765152
F2-F4 (O.Reg.153/04)							
Prep/Analysis Dates				No Unit		04-DEC-08	R765079
Surr: Octacosane	77		60-120	%		04-DEC-08	R765079
Volatile Organics (153/04) Table 1							
1,1,1,2-Tetrachloroethane	<0.008		0.008	mg/kg		04-DEC-08	R765367
1,1,2,2-Tetrachloroethane	<0.004		0.004	mg/kg	0.004 / 0.004	04-DEC-08	R765367
1,1,1-Trichloroethane	<0.008		0.008	mg/kg	0.009 / 0.009	04-DEC-08	R765367
1,1,2-Trichloroethane	<0.002		0.002	mg/kg	0.002 / 0.002	04-DEC-08	R765367
1,1-Dichloroethane	<0.002		0.002	mg/kg	0.002 / 0.002	04-DEC-08	R765367
1,1-Dichloroethylene	<0.002		0.002	mg/kg	0.002 / 0.002	04-DEC-08	R765367
1,2-Dichlorobenzene	<0.002		0.002	mg/kg	0.002 / 0.002	04-DEC-08	R765367
1,2-Dichloroethane	<0.002		0.002	mg/kg	0.002 / 0.002	04-DEC-08	R765367
1,2-Dibromoethane	<0.004		0.004	mg/kg	0.004 / 0.004	04-DEC-08	R765367
1,2-Dichloropropane	<0.002		0.002	mg/kg	0.002 / 0.002	04-DEC-08	R765367
1,3-Dichlorobenzene	<0.002		0.002	mg/kg	0.002 / 0.002	04-DEC-08	R765367

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L714516-1 BH-2 (SS-2)								
Sampled By: LUKE T on 02-DEC-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)								
Volatile Organics (153/04) Table 1								
1,4-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	04-DEC-08	R765367
2-Hexanone	<0.2		0.2	mg/kg			04-DEC-08	R765367
Acetone	<0.5		0.5	mg/kg			04-DEC-08	R765367
Benzene	<0.002		0.002	mg/kg	0.002	0.002	04-DEC-08	R765367
Bromodichloromethane	<0.005		0.005	mg/kg			04-DEC-08	R765367
Bromoform	<0.002		0.002	mg/kg	0.002	0.002	04-DEC-08	R765367
Bromomethane	<0.003		0.003	mg/kg	0.003	0.003	04-DEC-08	R765367
Carbon Disulfide	<0.02		0.02	mg/kg			04-DEC-08	R765367
Carbon tetrachloride	<0.002		0.002	mg/kg	0.002	0.002	04-DEC-08	R765367
Chlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	04-DEC-08	R765367
Chloroethane	<0.03		0.03	mg/kg			04-DEC-08	R765367
Chloroform	<0.006		0.006	mg/kg	0.006	0.006	04-DEC-08	R765367
Chloromethane	<0.03		0.03	mg/kg			04-DEC-08	R765367
cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg			04-DEC-08	R765367
cis-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	04-DEC-08	R765367
Dibromomethane	<0.01		0.01	mg/kg			04-DEC-08	R765367
Dibromochloromethane	<0.003		0.003	mg/kg	0.003	0.003	04-DEC-08	R765367
Dichlorodifluoromethane	<0.03		0.03	mg/kg			04-DEC-08	R765367
Dichloromethane	0.003		0.003	mg/kg	** 0.003	** 0.003	04-DEC-08	R765367
Ethyl Benzene	<0.002		0.002	mg/kg	0.002	0.002	04-DEC-08	R765367
MTBE	<0.2		0.2	mg/kg			04-DEC-08	R765367
m+p-Xylenes	<0.002		0.002	mg/kg			04-DEC-08	R765367
Methyl Ethyl Ketone	<0.2		0.2	mg/kg			04-DEC-08	R765367
Methyl Isobutyl Ketone	<0.2		0.2	mg/kg			04-DEC-08	R765367
o-Xylene	<0.002		0.002	mg/kg			04-DEC-08	R765367
Styrene	<0.002		0.002	mg/kg	0.002	0.002	04-DEC-08	R765367
Tetrachloroethylene	<0.002		0.002	mg/kg	0.002	0.002	04-DEC-08	R765367
Toluene	0.002		0.002	mg/kg	** 0.002	** 0.002	04-DEC-08	R765367
trans-1,2-Dichloroethylene	<0.002		0.002	mg/kg	0.003	0.003	04-DEC-08	R765367
trans-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	04-DEC-08	R765367
Trichloroethylene	<0.004		0.004	mg/kg	0.004	0.004	04-DEC-08	R765367
Trichlorofluoromethane	<0.03		0.03	mg/kg			04-DEC-08	R765367
Vinyl chloride	<0.003		0.003	mg/kg	0.003	0.003	04-DEC-08	R765367
Xylenes (Total)	<0.002		0.002	mg/kg	0.002	0.002	04-DEC-08	R765367
Surr: 1,2-Dichloroethane d4	83		25-175	%			04-DEC-08	R765367
Surr: Toluene-d8	92		25-175	%			04-DEC-08	R765367
Surr: 4-Bromofluorobenzene	110		25-175	%			04-DEC-08	R765367
Individual Analytes								
% Moisture	10.2		0.5	%			03-DEC-08	R765029
pH	7.74		0.01	pH units			03-DEC-08	R765022
L714516-2 BH-18 (SS-1)								
Sampled By: LUKE T on 02-DEC-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L714516-2 BH-18 (SS-1)								
Sampled By: LUKE T on 02-DEC-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			04-DEC-08	
F2 (C10-C16)	<10		10	mg/kg			04-DEC-08	
F3 (C16-C34)	55		50	mg/kg			04-DEC-08	
F4 (C34-C50)	<50		50	mg/kg			04-DEC-08	
Total Hydrocarbons (C6-C50)	55		50	mg/kg			04-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			04-DEC-08	
Prep/Analysis Dates				No Unit			04-DEC-08	R765152
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			04-DEC-08	R765079
Surr: Octacosane	69		60-120	%			04-DEC-08	R765079
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	09-DEC-08	R767196
Arsenic (As)	3		1	mg/kg	14	17	09-DEC-08	R767196
Selenium (Se)	<1		1	mg/kg	1.4	1.9	09-DEC-08	R767196
Boron (B), Available	0.4		0.1	ug/g			05-DEC-08	R765821
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	04-DEC-08	R765163
Mercury (Hg)	0.12		0.05	ug/g	0.16	0.23	05-DEC-08	R765905
Standard Metal Scan (ICP)								
Barium (Ba)	57		1	mg/kg	190	210	05-DEC-08	R765820
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	05-DEC-08	R765820
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	05-DEC-08	R765820
Chromium (Cr)	13		1	mg/kg	67	71	05-DEC-08	R765820
Cobalt (Co)	6		1	mg/kg	19	21	05-DEC-08	R765820
Copper (Cu)	23		1	mg/kg	56	85	05-DEC-08	R765820
Lead (Pb)	105		1	mg/kg	** 55	120	05-DEC-08	R765820
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	05-DEC-08	R765820
Nickel (Ni)	10		1	mg/kg	43	43	05-DEC-08	R765820
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	05-DEC-08	R765820
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	05-DEC-08	R765820
Vanadium (V)	21		1	mg/kg	91	91	05-DEC-08	R765820
Zinc (Zn)	92		1	mg/kg	150	160	05-DEC-08	R765820
Individual Analytes								
% Moisture	17.0		0.5	%			03-DEC-08	R765029
pH	7.51		0.01	pH units			03-DEC-08	R765022
L714516-5 MW2								
Sampled By: LUKE T on 02-DEC-08								
Matrix: WATER					GROUNDWATER, ALL PROPERTIES			
BTEX, F1-F4 (O.Reg.153/04)								
BTEX (O.Reg.153/04)								
Benzene	<0.5		0.5	ug/L	5		04-DEC-08	R765171
Ethyl Benzene	<0.5		0.5	ug/L	2.4		04-DEC-08	R765171
m+p-Xylenes	1		1	ug/L			04-DEC-08	R765171

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714516-5 MW2							
Sampled By: LUKE T on 02-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)							
BTEX (O.Reg.153/04)							
o-Xylene	0.6		0.5	ug/L		04-DEC-08	R765171
Toluene	1.9		0.5	ug/L	** 0.8	04-DEC-08	R765171
Xylene, (total)	1.6		1.5	ug/L	72	04-DEC-08	R765171
Surr: 2,5-Dibromotoluene	119		25-175	%		04-DEC-08	R765171
CCME Total Hydrocarbons							
F1 (C6-C10)	<100		100	ug/L		05-DEC-08	
F1-BTEX	<100		100	ug/L		05-DEC-08	
F2 (C10-C16)	<100		100	ug/L		05-DEC-08	
F3 (C16-C34)	<250		250	ug/L		05-DEC-08	
F4 (C34-C50)	<250		250	ug/L		05-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L		05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit		05-DEC-08	
Analysis Date				No Unit		04-DEC-08	R765173
F2-F4 (O.Reg.153/04)							
Prep/Analysis Dates				No Unit		05-DEC-08	R765052
Surr: Octacosane	79		49-120	%		05-DEC-08	R765052
TABLE 1 COMPLETE METALS							
Standard Metal Scan							
Antimony (Sb)	5		5	ug/L	6	08-DEC-08	R766845
Arsenic (As)	<1		1	ug/L	25	08-DEC-08	R766845
Barium (Ba)	600		10	ug/L		08-DEC-08	R766845
Beryllium (Be)	<1		1	ug/L	4	08-DEC-08	R766845
Boron (B)	120		50	ug/L	200	08-DEC-08	R766845
Cadmium (Cd)	0.3		0.1	ug/L	0.5	08-DEC-08	R766845
Chromium (Cr)	2		1	ug/L	8.9	08-DEC-08	R766845
Cobalt (Co)	2.3		0.5	ug/L	** 0.9	08-DEC-08	R766845
Copper (Cu)	3		1	ug/L	** 2.5	08-DEC-08	R766845
Lead (Pb)	<1		1	ug/L	1	08-DEC-08	R766845
Molybdenum (Mo)	2		1	ug/L	40	08-DEC-08	R766845
Nickel (Ni)	19		2	ug/L	25	08-DEC-08	R766845
Selenium (Se)	<5		5	ug/L	5	08-DEC-08	R766845
Silver (Ag)	0.1		0.1	ug/L	0.25	08-DEC-08	R766845
Sodium (Na)	1160000	DLM	50000	ug/L		09-DEC-08	R767392
Thallium (Tl)	<0.3		0.3	ug/L	0.5	08-DEC-08	R766845
Vanadium (V)	<1		1	ug/L	6	08-DEC-08	R766845
Zinc (Zn)	49		3	ug/L	** 20	08-DEC-08	R766845
L714516-6 MW3							
Sampled By: LUKE T on 02-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)							
BTEX (O.Reg.153/04)							
Benzene	<0.5		0.5	ug/L	5	04-DEC-08	R765171
Ethyl Benzene	<0.5		0.5	ug/L	2.4	04-DEC-08	R765171
m+p-Xylenes	<1		1	ug/L		04-DEC-08	R765171

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units		Criteria Specific Limits	Analyzed	Batch
L714516-6 MW3								
Sampled By: LUKE T on 02-DEC-08								
Matrix: WATER						GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)								
BTEX (O.Reg.153/04)								
o-Xylene	<0.5		0.5	ug/L			04-DEC-08	R765171
Toluene	0.6		0.5	ug/L		0.8	04-DEC-08	R765171
Xylene, (total)	<1.5		1.5	ug/L		72	04-DEC-08	R765171
Surr: 2,5-Dibromotoluene	117		25-175	%			04-DEC-08	R765171
CCME Total Hydrocarbons								
F1 (C6-C10)	<100		100	ug/L			05-DEC-08	
F1-BTEX	<100		100	ug/L			05-DEC-08	
F2 (C10-C16)	<100		100	ug/L			05-DEC-08	
F3 (C16-C34)	<250		250	ug/L			05-DEC-08	
F4 (C34-C50)	<250		250	ug/L			05-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L			05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			05-DEC-08	
Analysis Date				No Unit			04-DEC-08	R765173
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			05-DEC-08	R765052
Surr: Octacosane	89		49-120	%			05-DEC-08	R765052
TABLE 1 COMPLETE METALS								
Standard Metal Scan								
Antimony (Sb)	<5		5	ug/L		6	08-DEC-08	R766845
Arsenic (As)	2		1	ug/L		25	08-DEC-08	R766845
Barium (Ba)	590		10	ug/L			08-DEC-08	R766845
Beryllium (Be)	<1		1	ug/L		4	08-DEC-08	R766845
Boron (B)	60		50	ug/L		200	08-DEC-08	R766845
Cadmium (Cd)	<0.1		0.1	ug/L		0.5	08-DEC-08	R766845
Chromium (Cr)	6		1	ug/L		8.9	08-DEC-08	R766845
Cobalt (Co)	1.2		0.5	ug/L	**	0.9	08-DEC-08	R766845
Copper (Cu)	3		1	ug/L	**	2.5	08-DEC-08	R766845
Lead (Pb)	<1		1	ug/L		1	08-DEC-08	R766845
Molybdenum (Mo)	20		1	ug/L		40	08-DEC-08	R766845
Nickel (Ni)	10		2	ug/L		25	08-DEC-08	R766845
Selenium (Se)	<5		5	ug/L		5	08-DEC-08	R766845
Silver (Ag)	<0.1		0.1	ug/L		0.25	08-DEC-08	R766845
Sodium (Na)	2340000	DLM	50000	ug/L			09-DEC-08	R767392
Thallium (Tl)	<0.3		0.3	ug/L		0.5	08-DEC-08	R766845
Vanadium (V)	<1		1	ug/L		6	08-DEC-08	R766845
Zinc (Zn)	7		3	ug/L		20	08-DEC-08	R766845
L714516-7 MW4								
Sampled By: LUKE T on 02-DEC-08								
Matrix: WATER						GROUNDWATER, ALL PROPERTIES		
TABLE 1 COMPLETE METALS								
Standard Metal Scan								
Antimony (Sb)	<5		5	ug/L		6	08-DEC-08	R766845
Arsenic (As)	<1		1	ug/L		25	08-DEC-08	R766845
Barium (Ba)	90		10	ug/L			08-DEC-08	R766845

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units		Criteria Specific Limits	Analyzed	Batch
L714516-7 MW4								
Sampled By: LUKE T on 02-DEC-08								
Matrix: WATER						GROUNDWATER, ALL PROPERTIES		
TABLE 1 COMPLETE METALS								
Standard Metal Scan								
Beryllium (Be)	<1		1	ug/L		4	08-DEC-08	R766845
Boron (B)	60		50	ug/L		200	08-DEC-08	R766845
Cadmium (Cd)	1.3		0.1	ug/L	**	0.5	08-DEC-08	R766845
Chromium (Cr)	8		1	ug/L		8.9	08-DEC-08	R766845
Cobalt (Co)	1.0		0.5	ug/L	**	0.9	08-DEC-08	R766845
Copper (Cu)	3		1	ug/L	**	2.5	08-DEC-08	R766845
Lead (Pb)	<1		1	ug/L		1	08-DEC-08	R766845
Molybdenum (Mo)	4		1	ug/L		40	08-DEC-08	R766845
Nickel (Ni)	6		2	ug/L		25	08-DEC-08	R766845
Selenium (Se)	<5		5	ug/L		5	08-DEC-08	R766845
Silver (Ag)	<0.1		0.1	ug/L		0.25	08-DEC-08	R766845
Sodium (Na)	460000	DLM	50000	ug/L			09-DEC-08	R767392
Thallium (Tl)	<0.3		0.3	ug/L		0.5	08-DEC-08	R766845
Vanadium (V)	1		1	ug/L		6	08-DEC-08	R766845
Zinc (Zn)	21		3	ug/L	**	20	08-DEC-08	R766845
VOC, F1-F4 (O.Reg.153/04)								
BTEX (O.Reg.153/04)								
Benzene	<0.5		0.5	ug/L		5	04-DEC-08	R765171
Ethyl Benzene	<0.5		0.5	ug/L		2.4	04-DEC-08	R765171
m+p-Xylenes	<1		1	ug/L			04-DEC-08	R765171
o-Xylene	<0.5		0.5	ug/L			04-DEC-08	R765171
Toluene	<0.5		0.5	ug/L		0.8	04-DEC-08	R765171
Xylene, (total)	<1.5		1.5	ug/L		72	04-DEC-08	R765171
Surr: 2,5-Dibromotoluene	115		25-175	%			04-DEC-08	R765171
CCME Total Hydrocarbons								
F1 (C6-C10)	<100		100	ug/L			05-DEC-08	
F1-BTEX	<100		100	ug/L			05-DEC-08	
F2 (C10-C16)	<100		100	ug/L			05-DEC-08	
F2-Naphth	<100		100	ug/L			05-DEC-08	
F3 (C16-C34)	<250		250	ug/L			05-DEC-08	
F3-PAH	<250		250	ug/L			05-DEC-08	
F4 (C34-C50)	<250		250	ug/L			05-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L			05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			05-DEC-08	
Analysis Date				No Unit			04-DEC-08	R765173
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			05-DEC-08	R765052
Surr: Octacosane	83		49-120	%			05-DEC-08	R765052
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	<0.5		0.5	ug/L		5	04-DEC-08	R765146
1,1,2,2-Tetrachloroethane	<0.5		0.5	ug/L		1	04-DEC-08	R765146
1,1,1-Trichloroethane	<0.5		0.5	ug/L		10	04-DEC-08	R765146
1,1,2-Trichloroethane	<0.5		0.5	ug/L		5	04-DEC-08	R765146
1,2-Dibromoethane	<0.5		0.5	ug/L		1	04-DEC-08	R765146
1,1-Dichloroethane	<0.5		0.5	ug/L		70	04-DEC-08	R765146
1,1-Dichloroethylene	<0.5		0.5	ug/L		0.66	04-DEC-08	R765146

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714516-7 MW4							
Sampled By: LUKE T on 02-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
VOC, F1-F4 (O.Reg.153/04)							
Volatile Organic Compounds							
1,2-Dichlorobenzene	<0.5		0.5	ug/L	2.5	04-DEC-08	R765146
1,2-Dichloroethane	<0.5		0.5	ug/L	5	04-DEC-08	R765146
1,2-Dichloropropane	<0.5		0.5	ug/L	0.7	04-DEC-08	R765146
1,3-Dichlorobenzene	<0.5		0.5	ug/L	2.5	04-DEC-08	R765146
1,4-Dichlorobenzene	<0.5		0.5	ug/L	1	04-DEC-08	R765146
2-Hexanone	<20		20	ug/L		04-DEC-08	R765146
Acetone	<20		20	ug/L		04-DEC-08	R765146
Bromodichloromethane	<0.5		0.5	ug/L	5	04-DEC-08	R765146
Bromoform	<0.5		0.5	ug/L	5	04-DEC-08	R765146
Bromomethane	<0.5	RAMB	0.5	ug/L	0.9	04-DEC-08	R765146
Carbon Disulfide	<0.5		0.5	ug/L		04-DEC-08	R765146
Carbon tetrachloride	<0.5		0.5	ug/L	0.5	04-DEC-08	R765146
Chlorobenzene	<0.5		0.5	ug/L	15	04-DEC-08	R765146
Chloroethane	<1		1	ug/L		04-DEC-08	R765146
Chloroform	<0.5		0.5	ug/L	0.5	04-DEC-08	R765146
Chloromethane	<1		1	ug/L		04-DEC-08	R765146
cis-1,2-Dichloroethylene	<0.5		0.5	ug/L	70	04-DEC-08	R765146
cis-1,3-Dichloropropene	<0.5		0.5	ug/L	1.4	04-DEC-08	R765146
Dibromochloromethane	<0.5		0.5	ug/L	0.5	04-DEC-08	R765146
Dichlorodifluoromethane	<1		1	ug/L		04-DEC-08	R765146
Dichloromethane	<0.5		0.5	ug/L	50	04-DEC-08	R765146
Methyl Ethyl Ketone	<20		20	ug/L	350	04-DEC-08	R765146
Methyl Isobutyl Ketone	<20		20	ug/L		04-DEC-08	R765146
MTBE	<0.5		0.5	ug/L	200	04-DEC-08	R765146
Styrene	<0.5		0.5	ug/L	4	04-DEC-08	R765146
Tetrachloroethylene	<0.5		0.5	ug/L	5	04-DEC-08	R765146
trans-1,2-Dichloroethylene	<0.5		0.5	ug/L	100	04-DEC-08	R765146
trans-1,3-Dichloropropene	<0.5		0.5	ug/L	1.4	04-DEC-08	R765146
Trichloroethylene	<0.5		0.5	ug/L	20	04-DEC-08	R765146
Trichlorofluoromethane	<1		1	ug/L		04-DEC-08	R765146
Trihalomethanes (total)	<2		2	ug/L		04-DEC-08	R765146
Vinyl chloride	<0.5		0.5	ug/L	0.5	04-DEC-08	R765146
Surr: 1,2-Dichloroethane d4	100		50-150	%		04-DEC-08	R765146
Surr: Toluene-d8	90		70-130	%		04-DEC-08	R765146
Surr: 4-Bromofluorobenzene	102		50-150	%		04-DEC-08	R765146
Individual Analytes							
CCME PAHs							
1-Methylnaphthalene	0.04		0.02	ug/L	2.5	04-DEC-08	R765093
2-Methylnaphthalene	0.04		0.02	ug/L	2.5	04-DEC-08	R765093
Acenaphthene	<0.02		0.02	ug/L	1	04-DEC-08	R765093
Acenaphthylene	<0.02		0.02	ug/L	1	04-DEC-08	R765093
Acridine	<4		4	ug/L		04-DEC-08	R765093
Anthracene	<0.02		0.02	ug/L	0.05	04-DEC-08	R765093
Benzo(a)anthracene	<0.02		0.02	ug/L	0.10	04-DEC-08	R765093
Benzo(a)pyrene	<0.005		0.005	ug/L	0.005	04-DEC-08	R765093
Benzo(b)fluoranthene	<0.02		0.02	ug/L	0.05	04-DEC-08	R765093
Benzo(g,h,i)perylene	<0.02		0.02	ug/L	0.1	04-DEC-08	R765093
Benzo(k)fluoranthene	<0.02		0.02	ug/L	0.05	04-DEC-08	R765093

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714516-7 MW4							
Sampled By: LUKE T on 02-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
Individual Analytes							
CCME PAHs							
Chrysene	<0.02		0.02	ug/L	0.05	04-DEC-08	R765093
Dibenzo(ah)anthracene	<0.02		0.02	ug/L	0.1	04-DEC-08	R765093
Fluoranthene	<0.02		0.02	ug/L	1	04-DEC-08	R765093
Fluorene	0.03		0.02	ug/L	1	04-DEC-08	R765093
Indeno(1,2,3-cd)pyrene	<0.02		0.02	ug/L	0.1	04-DEC-08	R765093
Naphthalene	0.02		0.02	ug/L	7	04-DEC-08	R765093
Phenanthrene	0.19		0.02	ug/L	1	04-DEC-08	R765093
Pyrene	<0.02		0.02	ug/L	0.05	04-DEC-08	R765093
Quinoline	<0.02		0.02	ug/L		04-DEC-08	R765093
Surr: 2-Fluorobiphenyl	84		29-139	%		04-DEC-08	R765093
Surr: d14-Terphenyl	100		50-150	%		04-DEC-08	R765093
L714516-8 MW-X-99							
Sampled By: LUKE T on 02-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)							
BTEX (O.Reg.153/04)							
Benzene	<0.5		0.5	ug/L	5	04-DEC-08	R765171
Ethyl Benzene	<0.5		0.5	ug/L	2.4	04-DEC-08	R765171
m+p-Xylenes	1		1	ug/L		04-DEC-08	R765171
o-Xylene	<0.5		0.5	ug/L		04-DEC-08	R765171
Toluene	1.7		0.5	ug/L	** 0.8	04-DEC-08	R765171
Xylene, (total)	<1.5		1.5	ug/L	72	04-DEC-08	R765171
Surr: 2,5-Dibromotoluene	119		25-175	%		04-DEC-08	R765171
CCME Total Hydrocarbons							
F1 (C6-C10)	<100		100	ug/L		05-DEC-08	
F1-BTEX	<100		100	ug/L		05-DEC-08	
F2 (C10-C16)	<100		100	ug/L		05-DEC-08	
F3 (C16-C34)	<250		250	ug/L		05-DEC-08	
F4 (C34-C50)	<250		250	ug/L		05-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L		05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit		05-DEC-08	
Analysis Date				No Unit		04-DEC-08	R765173
F2-F4 (O.Reg.153/04)							
Prep/Analysis Dates				No Unit		05-DEC-08	R765052
Surr: Octacosane	87		49-120	%		05-DEC-08	R765052
TABLE 1 COMPLETE METALS							
Standard Metal Scan							
Antimony (Sb)	<5		5	ug/L	6	08-DEC-08	R766845
Arsenic (As)	<1		1	ug/L	25	08-DEC-08	R766845
Barium (Ba)	590		10	ug/L		08-DEC-08	R766845
Beryllium (Be)	<1		1	ug/L	4	08-DEC-08	R766845
Boron (B)	110		50	ug/L	200	08-DEC-08	R766845
Cadmium (Cd)	0.3		0.1	ug/L	0.5	08-DEC-08	R766845
Chromium (Cr)	2		1	ug/L	8.9	08-DEC-08	R766845

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714516-8 MW-X-99							
Sampled By: LUKE T on 02-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
TABLE 1 COMPLETE METALS							
Standard Metal Scan							
Cobalt (Co)	2.2		0.5	ug/L	** 0.9	08-DEC-08	R766845
Copper (Cu)	2		1	ug/L	2.5	08-DEC-08	R766845
Lead (Pb)	<1		1	ug/L	1	08-DEC-08	R766845
Molybdenum (Mo)	2		1	ug/L	40	08-DEC-08	R766845
Nickel (Ni)	19		2	ug/L	25	08-DEC-08	R766845
Selenium (Se)	<5		5	ug/L	5	08-DEC-08	R766845
Silver (Ag)	<0.1		0.1	ug/L	0.25	08-DEC-08	R766845
Sodium (Na)	1140000	DLM	50000	ug/L		09-DEC-08	R767392
Thallium (Tl)	<0.3		0.3	ug/L	0.5	08-DEC-08	R766845
Vanadium (V)	<1		1	ug/L	6	08-DEC-08	R766845
Zinc (Zn)	33		3	ug/L	** 20	08-DEC-08	R766845

** analytical results for this parameter exceed criteria limits listed on this report

Sample Parameter Qualifier key listed:

Qualifier	Description
DLM	Detection Limit Adjustment For Sample Matrix Effects
RAMB	Result Adjusted For Method Blank

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
AS,SB,SE-3050-MS-WT	Soil	As, Sb and Se by ICP/MS		SW846 3050B/6020A
B-AVAIL-WT	Soil	Boron (B), Available		HW EXTR, EPA 6010B
BTX-R153-WT	Water	BTEX (O.Reg.153/04)		MOE DECPH-E3421/CCME Tier 1
CR-CR6-WT	Soil	Hexavalent Chromium in Soil		EPA 7196
ETL-TVH,TEH-CCME-WT	Water	CCME Total Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

ETL-TVH,TEH-CCME-WT	Soil	CCME Total Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-WT	Water	F1 (O.Reg.153/04)		MOE DECPH-E3421/CCME Tier 1
F1-WT	Soil	F1 (O.Reg.153/04)		MOE DECPH-E3398/CCME Tier 1
F2-F4-WT	Water	F2-F4 (O.Reg.153/04)		MOE DECPH-E3421/CCME Tier 1
F2-F4-WT	Soil	F2-F4 (O.Reg.153/04)		MOE DECPH-E3398/CCME Tier 1
HG-WT	Soil	Mercury by CVAA		SW846 7470A
MET-R153-WT	Water	Standard Metal Scan		EPA 200.8
MET-R153-WT	Soil	Standard Metal Scan (ICP)		EPA 3050
MOISTURE-WT	Soil	% Moisture		Gravimetric: Oven Dried
PAH-CCME-WT	Water	CCME PAHs		SW846 8270
PH-R153-WT	Soil	pH		MOEE E3137A

Reference Information

5-698-17-02

VOC-CCME-TABLE1-WT	Soil	Volatile Organics (153/04) Table 1	MOE-E3254
VOC-ROU-NO-BTX-WT	Water	Volatile Organic Compounds	SW846 8260

Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

62600

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS LABORATORY GROUP - WATERLOO, ONTARIO, CAN		

GLOSSARY OF REPORT TERMS
Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds.
The reported surrogate recovery value provides a measure of method efficiency. The Laboratory control limits are determined under column heading D.L.
mg/kg (units) - unit of concentration based on mass, parts per million
mg/L (units) - unit of concentration based on volume, parts per million
< - Less than
D.L. - Detection Limit
N/A - Result not available. Refer to qualifier code and definition for explanation

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS.
Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.

ALS provides criteria information as a service to you, our customer. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. ALS recommends review of the most current version of the regulation, and assumes no responsibility for the accuracy of the criteria levels indicated.

ALS Laboratory Group Quality Control Report

Workorder: L714516 Report Date: 09-DEC-08

Client: XCG CONSULTANTS LTD.
820 TRILLIUM DRIVE
KITCHENER ON N2R 1K4
Contact: THOMAS KOLODZIEJ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BTX-R153-WT	**Water**							
Batch R765171								
WG881029-1 CVS								
Benzene			101		%		79-117	04-DEC-08
Ethyl Benzene			100		%		80-117	04-DEC-08
m+p-Xylenes			104		%		75-127	04-DEC-08
o-Xylene			103		%		81-118	04-DEC-08
Toluene			111		%		79-117	04-DEC-08
WG881029-3 DUP		**L714530-1**						
Benzene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	04-DEC-08
Ethyl Benzene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	04-DEC-08
m+p-Xylenes		<1	<1	RPD-NA	ug/L	N/A	39	04-DEC-08
o-Xylene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	04-DEC-08
Toluene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	04-DEC-08
WG881029-2 MB								
Benzene			<0.5		ug/L		0.5	04-DEC-08
Ethyl Benzene			<0.5		ug/L		0.5	04-DEC-08
m+p-Xylenes			<1		ug/L		1	04-DEC-08
o-Xylene			<0.5		ug/L		0.5	04-DEC-08
Toluene			<0.5		ug/L		0.5	04-DEC-08
F1-WT	**Water**							
Batch R765173								
WG881030-1 CVS								
TVH: (C6-C10 / No BTEX Correction)			73		%		54-126	03-DEC-08
WG881030-3 DUP		**L714530-1**						
TVH: (C6-C10 / No BTEX Correction)		<100	<100	RPD-NA	ug/L	N/A	30	03-DEC-08
WG881030-2 MB								
TVH: (C6-C10 / No BTEX Correction)			<100		ug/L		100	03-DEC-08
F2-F4-WT	**Water**							
Batch R765052								
WG881073-1 CVS								
F2 (C10-C16)			100		%		80-120	04-DEC-08
F3 (C16-C34)			100		%		80-120	04-DEC-08
F4 (C34-C50)			101		%		80-120	04-DEC-08
WG881073-2 CVS								
F2 (C10-C16)			98		%		80-120	05-DEC-08
F3 (C16-C34)			97		%		80-120	05-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-WT	**Water**							
Batch R765052								
WG881073-2 CVS								
F4 (C34-C50)			99		%		80-120	05-DEC-08
WG880848-2 LCS								
F2 (C10-C16)			72		%		40-120	04-DEC-08
F3 (C16-C34)			77		%		56-104	04-DEC-08
F4 (C34-C50)			77		%		50-110	04-DEC-08
WG880848-3 LCSD		**WG880848-2**						
F2 (C10-C16)		72	74		%	3.5	45	04-DEC-08
F3 (C16-C34)		77	78		%	2.0	45	04-DEC-08
F4 (C34-C50)		77	78		%	1.8	45	04-DEC-08
WG880848-1 MB								
F2 (C10-C16)			<100		ug/L		100	04-DEC-08
F3 (C16-C34)			<250		ug/L		250	04-DEC-08
F4 (C34-C50)			<250		ug/L		250	04-DEC-08
MET-R153-WT	**Water**							
Batch R766845								
WG882923-1 CVS								
Antimony (Sb)			100		%		80-120	08-DEC-08
Arsenic (As)			109		%		80-120	08-DEC-08
Barium (Ba)			104		%		80-120	08-DEC-08
Beryllium (Be)			110		%		80-120	08-DEC-08
Boron (B)			112		%		70-130	08-DEC-08
Cadmium (Cd)			108		%		80-120	08-DEC-08
Chromium (Cr)			112		%		80-120	08-DEC-08
Cobalt (Co)			112		%		80-120	08-DEC-08
Copper (Cu)			114		%		80-120	08-DEC-08
Lead (Pb)			109		%		80-120	08-DEC-08
Molybdenum (Mo)			114		%		80-120	08-DEC-08
Nickel (Ni)			113		%		80-120	08-DEC-08
Selenium (Se)			104		%		80-120	08-DEC-08
Silver (Ag)			103		%		80-120	08-DEC-08
Thallium (Tl)			109		%		63-138	08-DEC-08
Vanadium (V)			110		%		63-138	08-DEC-08
Zinc (Zn)			114		%		80-120	08-DEC-08
WG882923-5 DUP		**WG882923-4**						

ALS Laboratory Group Quality Control Report

Workorder: L714516 Report Date: 09-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Water**							
Batch R766845								
WG882923-5 DUP		**WG882923-4**						
Antimony (Sb)		<50	<50	DLM	ug/L	N/A	20	08-DEC-08
Arsenic (As)		20	20	DLM	ug/L	0	40	08-DEC-08
Barium (Ba)		400	400	DLM	ug/L	0	400	08-DEC-08
Beryllium (Be)		<10	<10	DLM	ug/L	N/A	26	08-DEC-08
Boron (B)		2400	2300	DLM	ug/L	2.4	20	08-DEC-08
Cadmium (Cd)		<1	<1	DLM	ug/L	N/A	26	08-DEC-08
Chromium (Cr)		40	50	DLM	ug/L	0	40	08-DEC-08
Cobalt (Co)		17	16	DLM	ug/L	0	20	08-DEC-08
Copper (Cu)		<10	<10	DLM	ug/L	N/A	26	08-DEC-08
Lead (Pb)		<10	<10	DLM	ug/L	N/A	20	08-DEC-08
Molybdenum (Mo)		<10	<10	DLM	ug/L	N/A	26	08-DEC-08
Nickel (Ni)		30	30	DLM	ug/L	0	80	08-DEC-08
Selenium (Se)		<50	<50	DLM	ug/L	N/A	26	08-DEC-08
Silver (Ag)		<1	<1	DLM	ug/L	N/A	26	08-DEC-08
Thallium (Tl)		<3	<3	DLM	ug/L	N/A	26	08-DEC-08
Vanadium (V)		10	10	DLM	ug/L	0	40	08-DEC-08
Zinc (Zn)		<30	<30	DLM	ug/L	N/A	20	08-DEC-08
WG882923-3 MB								
Antimony (Sb)			<5		ug/L		5	08-DEC-08
Arsenic (As)			<1		ug/L		1	08-DEC-08
Barium (Ba)			<10		ug/L		10	08-DEC-08
Beryllium (Be)			<1		ug/L		1	08-DEC-08
Boron (B)			<50		ug/L		50	08-DEC-08
Cadmium (Cd)			<0.1		ug/L		0.1	08-DEC-08
Chromium (Cr)			<1		ug/L		1	08-DEC-08
Cobalt (Co)			<0.5		ug/L		0.5	08-DEC-08
Copper (Cu)			<1		ug/L		1	08-DEC-08
Lead (Pb)			<1		ug/L		1	08-DEC-08
Molybdenum (Mo)			<1		ug/L		1	08-DEC-08
Nickel (Ni)			<2		ug/L		2	08-DEC-08
Selenium (Se)			<5		ug/L		5	08-DEC-08
Silver (Ag)			<0.1		ug/L		0.1	08-DEC-08
Thallium (Tl)			<0.3		ug/L		0.3	08-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Water**							
Batch R766845								
WG882923-3 MB								
Vanadium (V)			<1		ug/L		1	08-DEC-08
Zinc (Zn)			<3		ug/L		3	08-DEC-08
Batch R767392								
WG883603-1 CVS								
Sodium (Na)			101		%		63-138	09-DEC-08
WG883603-3 MB								
Sodium (Na)			<500		ug/L		500	09-DEC-08
PAH-CCME-WT	**Water**							
Batch R765093								
WG881067-1 CVS								
1-Methylnaphthalene			84		%		71-125	04-DEC-08
2-Methylnaphthalene			74		%		70-117	04-DEC-08
Acenaphthene			86		%		77-128	04-DEC-08
Acenaphthylene			84		%		70-125	04-DEC-08
Acridine			109		%		55-145	04-DEC-08
Anthracene			92		%		74-126	04-DEC-08
Benzo(a)anthracene			93		%		77-131	04-DEC-08
Benzo(a)pyrene			89		%		48-149	04-DEC-08
Benzo(b)fluoranthene			86		%		62-135	04-DEC-08
Benzo(g,h,i)perylene			89		%		73-128	04-DEC-08
Benzo(k)fluoranthene			102		%		69-132	04-DEC-08
Chrysene			97		%		75-130	04-DEC-08
Dibenzo(ah)anthracene			89		%		66-136	04-DEC-08
Fluoranthene			88		%		75-122	04-DEC-08
Fluorene			85		%		76-127	04-DEC-08
Indeno(1,2,3-cd)pyrene			87		%		62-139	04-DEC-08
Naphthalene			99		%		79-126	04-DEC-08
Phenanthrene			90		%		79-126	04-DEC-08
Pyrene			89		%		76-126	04-DEC-08
Quinoline			93		%		55-145	04-DEC-08
WG880414-2 LCS								
1-Methylnaphthalene			71		%		25-131	04-DEC-08
2-Methylnaphthalene			61		%		25-123	04-DEC-08
Acenaphthene			77				38-143	

ALS Laboratory Group Quality Control Report

Workorder: L714516 Report Date: 09-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Water**							
Batch R765093								
WG880414-2 LCS								
Acenaphthene			77		%		38-143	04-DEC-08
Acenaphthylene			76		%		43-145	04-DEC-08
Acridine			96		%		55-145	04-DEC-08
Anthracene			83		%		44-129	04-DEC-08
Benzo(a)anthracene			87		%		48-143	04-DEC-08
Benzo(a)pyrene			81		%		39-137	04-DEC-08
Benzo(b)fluoranthene			86		%		42-153	04-DEC-08
Benzo(g,h,i)perylene			79		%		42-157	04-DEC-08
Benzo(k)fluoranthene			90		%		37-158	04-DEC-08
Chrysene			92		%		48-149	04-DEC-08
Dibenzo(ah)anthracene			75		%		41-141	04-DEC-08
Fluoranthene			86		%		46-146	04-DEC-08
Fluorene			78		%		37-140	04-DEC-08
Indeno(1,2,3-cd)pyrene			74		%		42-139	04-DEC-08
Naphthalene			81		%		29-127	04-DEC-08
Phenanthrene			81		%		43-137	04-DEC-08
Pyrene			87		%		58-132	04-DEC-08
Quinoline			86		%		55-145	04-DEC-08
WG880414-3 LCSD		**WG880414-2**						
1-Methylnaphthalene		71	79		%	11	45	04-DEC-08
2-Methylnaphthalene		61	69		%	12	50	04-DEC-08
Acenaphthene		77	87		%	12	45	04-DEC-08
Acenaphthylene		76	86		%	12	45	04-DEC-08
Acridine		96	98		%	1.8	45	04-DEC-08
Anthracene		83	88		%	5.4	50	04-DEC-08
Benzo(a)anthracene		87	90		%	3.0	45	04-DEC-08
Benzo(a)pyrene		81	85		%	5.3	45	04-DEC-08
Benzo(b)fluoranthene		86	89		%	3.2	45	04-DEC-08
Benzo(g,h,i)perylene		79	82		%	3.7	45	04-DEC-08
Benzo(k)fluoranthene		90	96		%	7.0	45	04-DEC-08
Chrysene		92	95		%	3.5	45	04-DEC-08
Dibenzo(ah)anthracene		75	77		%	3.6	45	04-DEC-08
Fluoranthene		86	90		%	5.0	45	04-DEC-08

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Water**							
Batch R765093								
WG880414-3 LCSD		**WG880414-2**						
Fluorene		78	89		%	13	45	04-DEC-08
Indeno(1,2,3-cd)pyrene		74	80		%	7.6	45	04-DEC-08
Naphthalene		81	84		%	3.3	45	04-DEC-08
Phenanthrene		81	86		%	5.9	45	04-DEC-08
Pyrene		87	92		%	5.3	45	04-DEC-08
Quinoline		86	103		%	18	45	04-DEC-08
WG880414-1 MB								
1-Methylnaphthalene			<0.02		ug/L		0.02	04-DEC-08
2-Methylnaphthalene			<0.02		ug/L		0.02	04-DEC-08
Acenaphthene			<0.02		ug/L		0.02	04-DEC-08
Acenaphthylene			<0.02		ug/L		0.02	04-DEC-08
Acridine			<4		ug/L		4	04-DEC-08
Anthracene			<0.02		ug/L		0.02	04-DEC-08
Benzo(a)anthracene			<0.02		ug/L		0.02	04-DEC-08
Benzo(a)pyrene			<0.005		ug/L		0.005	04-DEC-08
Benzo(b)fluoranthene			<0.02		ug/L		0.02	04-DEC-08
Benzo(g,h,i)perylene			<0.02		ug/L		0.02	04-DEC-08
Benzo(k)fluoranthene			<0.02		ug/L		0.02	04-DEC-08
Chrysene			<0.02		ug/L		0.02	04-DEC-08
Dibenzo(ah)anthracene			<0.02		ug/L		0.02	04-DEC-08
Fluoranthene			<0.02		ug/L		0.02	04-DEC-08
Fluorene			<0.02		ug/L		0.02	04-DEC-08
Indeno(1,2,3-cd)pyrene			<0.02		ug/L		0.02	04-DEC-08
Naphthalene			<0.02		ug/L		0.02	04-DEC-08
Phenanthrene			<0.02		ug/L		0.02	04-DEC-08
Pyrene			<0.02		ug/L		0.02	04-DEC-08
Quinoline			<0.02		ug/L		0.02	04-DEC-08
VOC-ROU-NO-BTX-WT	**Water**							
Batch R765146								
WG879842-1 CVS								
1,1,1,2-Tetrachloroethane			82		%		75-120	03-DEC-08
1,1,1-Trichloroethane			99		%		74-124	03-DEC-08
1,1,2,2-Tetrachloroethane			88		%		62-130	03-DEC-08

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R765146								
WG879842-1 CVS								
1,1,2-Trichloroethane			77		%		76-119	03-DEC-08
1,1-Dichloroethane			97		%		74-126	03-DEC-08
1,1-Dichloroethylene			93		%		67-127	03-DEC-08
1,2-Dichlorobenzene			89		%		77-119	03-DEC-08
1,2-Dichloroethane			101		%		70-132	03-DEC-08
1,2-Dichloropropane			86		%		75-126	03-DEC-08
1,3-Dichlorobenzene			91		%		74-120	03-DEC-08
1,4-Dichlorobenzene			91		%		74-122	03-DEC-08
2-Hexanone			89		%		47-149	03-DEC-08
Acetone			86		%		32-175	03-DEC-08
Bromodichloromethane			84		%		71-124	03-DEC-08
Bromoform			87		%		63-126	03-DEC-08
Bromomethane			115		%		45-138	03-DEC-08
Carbon Disulfide			97		%		47-133	03-DEC-08
Carbon tetrachloride			97		%		69-129	03-DEC-08
Chlorobenzene			84		%		78-120	03-DEC-08
Dibromochloromethane			83		%		69-120	03-DEC-08
Chloroethane			100		%		64-130	03-DEC-08
Chloroform			95		%		63-138	03-DEC-08
Chloromethane			116		%		43-142	03-DEC-08
cis-1,2-Dichloroethylene			87		%		77-121	03-DEC-08
cis-1,3-Dichloropropene			80		%		63-138	03-DEC-08
Dichlorodifluoromethane			105		%		60-125	03-DEC-08
1,2-Dibromoethane			81		%		75-125	03-DEC-08
Methyl Ethyl Ketone			78		%		47-155	03-DEC-08
Methyl Isobutyl Ketone			75		%		60-132	03-DEC-08
MTBE			92		%		62-128	03-DEC-08
Dichloromethane			90		%		78-121	03-DEC-08
Styrene			78		%		72-130	03-DEC-08
Tetrachloroethylene			86		%		78-130	03-DEC-08
trans-1,2-Dichloroethylene			93		%		63-138	03-DEC-08
trans-1,3-Dichloropropene			95		%		63-138	03-DEC-08
Trichloroethylene			79		%		74-124	03-DEC-08

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R765146								
WG879842-1 CVS								
Trichlorofluoromethane			108		%		67-133	03-DEC-08
Vinyl chloride			102		%		55-145	03-DEC-08
WG879842-4 DUP		**WG879842-3**						
1,1,1,2-Tetrachloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,1,1-Trichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,1,2,2-Tetrachloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,1,2-Trichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,1-Dichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,1-Dichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,2-Dichlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,2-Dichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,2-Dichloropropane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,3-Dichlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
1,4-Dichlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
2-Hexanone		<20	<20	RPD-NA	ug/L	N/A	20	04-DEC-08
Acetone		<20	<20	RPD-NA	ug/L	N/A	20	04-DEC-08
Bromodichloromethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Bromoform		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Bromomethane		1.9	1.8	UPPMB	ug/L	0.2	0.2	04-DEC-08
Carbon Disulfide		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Carbon tetrachloride		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Chlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Dibromochloromethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Chloroethane		<1	<1	RPD-NA	ug/L	N/A	20	04-DEC-08
Chloroform		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Chloromethane		<1	<1	RPD-NA	ug/L	N/A	20	04-DEC-08
cis-1,2-Dichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
cis-1,3-Dichloropropene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Dichlorodifluoromethane		<1	<1	RPD-NA	ug/L	N/A	20	04-DEC-08
1,2-Dibromoethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	20	04-DEC-08
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	20	04-DEC-08
MTBE		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R765146								
WG879842-4 DUP		**WG879842-3**						
Dichloromethane		<0.5	<0.5	RPD-NA	ug/L	N/A	31	04-DEC-08
Styrene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Tetrachloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
trans-1,2-Dichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
trans-1,3-Dichloropropene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Trichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
Trichlorofluoromethane		<1	<1	RPD-NA	ug/L	N/A	20	04-DEC-08
Vinyl chloride		<0.5	<0.5	RPD-NA	ug/L	N/A	20	04-DEC-08
WG879842-2 MB								
1,1,1,2-Tetrachloroethane			<0.5		ug/L		0.5	04-DEC-08
1,1,1-Trichloroethane			<0.5		ug/L		0.5	04-DEC-08
1,1,2,2-Tetrachloroethane			<0.5		ug/L		0.5	04-DEC-08
1,1,2-Trichloroethane			<0.5		ug/L		0.5	04-DEC-08
1,1-Dichloroethane			<0.5		ug/L		0.5	04-DEC-08
1,1-Dichloroethylene			<0.5		ug/L		0.5	04-DEC-08
1,2-Dichlorobenzene			<0.5		ug/L		0.5	04-DEC-08
1,2-Dichloroethane			<0.5		ug/L		0.5	04-DEC-08
1,2-Dichloropropane			<0.5		ug/L		0.5	04-DEC-08
1,3-Dichlorobenzene			<0.5		ug/L		0.5	04-DEC-08
1,4-Dichlorobenzene			<0.5		ug/L		0.5	04-DEC-08
2-Hexanone			<20		ug/L		20	04-DEC-08
Acetone			<20		ug/L		20	04-DEC-08
Bromodichloromethane			<0.5		ug/L		0.5	04-DEC-08
Bromoform			<0.5		ug/L		0.5	04-DEC-08
Carbon Disulfide			<0.5		ug/L		0.5	04-DEC-08
Carbon tetrachloride			<0.5		ug/L		0.5	04-DEC-08
Chlorobenzene			<0.5		ug/L		0.5	04-DEC-08
Dibromochloromethane			<0.5		ug/L		0.5	04-DEC-08
Chloroethane			<1		ug/L		1	04-DEC-08
Chloroform			<0.5		ug/L		0.5	04-DEC-08
Chloromethane			<1		ug/L		1	04-DEC-08
cis-1,2-Dichloroethylene			<0.5		ug/L		0.5	04-DEC-08
cis-1,3-Dichloropropene			<0.5		ug/L		0.5	04-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R765146								
WG879842-2 MB								
Dichlorodifluoromethane			<1		ug/L		1	04-DEC-08
1,2-Dibromoethane			<0.5		ug/L		0.5	04-DEC-08
Methyl Ethyl Ketone			<20		ug/L		20	04-DEC-08
Methyl Isobutyl Ketone			<20		ug/L		20	04-DEC-08
MTBE			<0.5		ug/L		0.5	04-DEC-08
Dichloromethane			<0.5		ug/L		0.5	04-DEC-08
Styrene			<0.5		ug/L		0.5	04-DEC-08
Tetrachloroethylene			<0.5		ug/L		0.5	04-DEC-08
trans-1,2-Dichloroethylene			<0.5		ug/L		0.5	04-DEC-08
trans-1,3-Dichloropropene			<0.5		ug/L		0.5	04-DEC-08
Trichloroethylene			<0.5		ug/L		0.5	04-DEC-08
Trichlorofluoromethane			<1		ug/L		1	04-DEC-08
Vinyl chloride			<0.5		ug/L		0.5	04-DEC-08
Bromomethane			2.7	A	ug/L		0.5	04-DEC-08
COMMENTS: Method blank positive; related samples have been qualified accordingly and/or blank corrected.								
AS,SB,SE-3050-MS-WT	**Soil**							
Batch R767196								
WG883491-2 CVS								
Antimony (Sb)			93		%		63-138	09-DEC-08
Arsenic (As)			104		%		63-138	09-DEC-08
Selenium (Se)			98		%		63-138	09-DEC-08
WG881744-4 DUP		**WG881744-3**						
Antimony (Sb)		<1	<1	RPD-NA	mg/kg	N/A	26	09-DEC-08
Arsenic (As)		1	1	J	mg/kg	0	4	09-DEC-08
Selenium (Se)		<1	<1	RPD-NA	mg/kg	N/A	26	09-DEC-08
WG881744-2 LCS								
Arsenic (As)			83		%		63-138	09-DEC-08
Selenium (Se)			75		%		63-138	09-DEC-08
WG881744-1 MB								
Antimony (Sb)			<1		mg/kg		1	09-DEC-08
Arsenic (As)			<1		mg/kg		1	09-DEC-08
Selenium (Se)			<1		mg/kg		1	09-DEC-08
B-AVAIL-WT	**Soil**							

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
B-AVAIL-WT	**Soil**							
Batch R765821								
WG881766-3 DUP		**L714725-3**						
Boron (B), Available		0.2	0.2	J	ug/g	0.0	0.4	05-DEC-08
WG881766-2 LCS								
Boron (B), Available			102		%		60-140	05-DEC-08
WG881766-1 MB								
Boron (B), Available			<0.1		ug/g		0.1	05-DEC-08
CR-CR6-WT	**Soil**							
Batch R765163								
WG881255-9 CVS								
Chromium, Hexavalent			91		%		70-130	04-DEC-08
WG881084-3 DUP		**L713254-4**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	04-DEC-08
WG881084-4 DUP		**L714136-1**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	04-DEC-08
WG881084-5 DUP		**L714614-4**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	04-DEC-08
WG881084-1 MB								
Chromium, Hexavalent			<2		mg/kg		2	04-DEC-08
F1-WT	**Soil**							
Batch R765152								
WG880384-1 CVS								
TVH: (C6-C10 / No BTEX Correction)			89		%		59-131	04-DEC-08
WG880426-2 DUP		**L714136-1**						
TVH: (C6-C10 / No BTEX Correction)		<5	<5	RPD-NA	mg/kg	N/A	65	04-DEC-08
WG880426-1 MB								
TVH: (C6-C10 / No BTEX Correction)			<5		mg/kg		5	04-DEC-08
F2-F4-WT	**Soil**							
Batch R765079								
WG881070-1 CVS								
F2 (C10-C16)			100		%		80-120	04-DEC-08
F3 (C16-C34)			101		%		80-120	04-DEC-08
F4 (C34-C50)			102		%		70-130	04-DEC-08
WG881070-2 CVS								
F2 (C10-C16)			95		%		80-120	04-DEC-08
F3 (C16-C34)			97		%		80-120	04-DEC-08
F4 (C34-C50)			100		%		70-130	04-DEC-08
WG881070-3 CVS								

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-WT	**Soil**							
Batch R765079								
WG881070-3 CVS								
F2 (C10-C16)			89		%		80-120	04-DEC-08
F3 (C16-C34)			95		%		80-120	04-DEC-08
F4 (C34-C50)			103		%		70-130	04-DEC-08
WG880415-4 DUP		**L714104-8**						
F2 (C10-C16)		2850	2830		mg/kg	0.61	65	04-DEC-08
F3 (C16-C34)		2830	2650		mg/kg	6.9	65	04-DEC-08
F4 (C34-C50)		116	119	J	mg/kg	2	20	04-DEC-08
WG880415-2 LCS								
F2 (C10-C16)			88		%		54-120	04-DEC-08
F3 (C16-C34)			87		%		60-106	04-DEC-08
F4 (C34-C50)			85		%		52-122	04-DEC-08
WG880415-3 LCSD		**WG880415-2**						
F2 (C10-C16)		88	87		%	0.90	45	04-DEC-08
F3 (C16-C34)		87	86		%	1.0	45	04-DEC-08
F4 (C34-C50)		85	85		%	0.39	45	04-DEC-08
WG880415-1 MB								
F2 (C10-C16)			<10		mg/kg		10	04-DEC-08
F3 (C16-C34)			<50		mg/kg		50	04-DEC-08
F4 (C34-C50)			<50		mg/kg		50	04-DEC-08
HG-WT	**Soil**							
Batch R765905								
WG881773-3 DUP		**L714516-1**						
Mercury (Hg)		<0.05	<0.05	RPD-NA	ug/g	N/A	20	05-DEC-08
WG881773-4 LCS								
Mercury (Hg)			111		%		70-130	05-DEC-08
WG881773-1 MB								
Mercury (Hg)			<0.05		ug/g		0.05	05-DEC-08
MET-R153-WT	**Soil**							
Batch R765820								
WG881769-2 CVS								
Barium (Ba)			101		%		80-120	05-DEC-08
Beryllium (Be)			95		%		80-120	05-DEC-08
Cadmium (Cd)			99		%		80-120	05-DEC-08
Chromium (Cr)			98		%		80-120	05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Soil**							
Batch R765820								
WG881769-2 CVS								
Cobalt (Co)			100		%		80-120	05-DEC-08
Copper (Cu)			99		%		80-120	05-DEC-08
Lead (Pb)			87		%		80-120	05-DEC-08
Molybdenum (Mo)			94		%		80-120	05-DEC-08
Nickel (Ni)			101		%		80-120	05-DEC-08
Silver (Ag)			89		%		80-120	05-DEC-08
Thallium (Tl)			99		%		80-120	05-DEC-08
Vanadium (V)			91		%		80-120	05-DEC-08
Zinc (Zn)			94		%		80-120	05-DEC-08
WG881744-4 DUP		**WG881744-3**						
Barium (Ba)		12	12		mg/kg	1.7	20	05-DEC-08
Beryllium (Be)		<0.5	<0.5	RPD-NA	mg/kg	N/A	20	05-DEC-08
Cadmium (Cd)		<0.5	<0.5	RPD-NA	mg/kg	N/A	20	05-DEC-08
Chromium (Cr)		6	7	J	mg/kg	0	4	05-DEC-08
Cobalt (Co)		3	3	J	mg/kg	0	4	05-DEC-08
Copper (Cu)		7	7	J	mg/kg	0	4	05-DEC-08
Lead (Pb)		8	8	J	mg/kg	0	4	05-DEC-08
Molybdenum (Mo)		<1	<1	RPD-NA	mg/kg	N/A	20	05-DEC-08
Nickel (Ni)		4	4	J	mg/kg	0	4	05-DEC-08
Silver (Ag)		<0.2	<0.2	RPD-NA	mg/kg	N/A	20	05-DEC-08
Thallium (Tl)		<1	<1	RPD-NA	mg/kg	N/A	20	05-DEC-08
Vanadium (V)		10	11		mg/kg	6.0	20	05-DEC-08
Zinc (Zn)		36	37		mg/kg	2.9	20	05-DEC-08
WG881744-2 LCS								
Barium (Ba)			101		%		80-120	05-DEC-08
Beryllium (Be)			95		%		80-120	05-DEC-08
Cadmium (Cd)			94		%		80-120	05-DEC-08
Chromium (Cr)			101		%		80-120	05-DEC-08
Cobalt (Co)			99		%		80-120	05-DEC-08
Copper (Cu)			100		%		80-120	05-DEC-08
Lead (Pb)			97		%		80-120	05-DEC-08
Nickel (Ni)			98		%		80-120	05-DEC-08
Thallium (Tl)			93		%		80-120	05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Soil**							
Batch R765820								
WG881744-2 LCS								
Vanadium (V)			96		%		80-120	05-DEC-08
Zinc (Zn)			96		%		80-120	05-DEC-08
WG881744-1 MB								
Barium (Ba)			<1		mg/kg		1	05-DEC-08
Beryllium (Be)			<0.5		mg/kg		0.5	05-DEC-08
Cadmium (Cd)			<0.5		mg/kg		0.5	05-DEC-08
Chromium (Cr)			<1		mg/kg		1	05-DEC-08
Cobalt (Co)			<1		mg/kg		1	05-DEC-08
Copper (Cu)			<1		mg/kg		1	05-DEC-08
Lead (Pb)			<1		mg/kg		1	05-DEC-08
Molybdenum (Mo)			<1		mg/kg		1	05-DEC-08
Nickel (Ni)			<1		mg/kg		1	05-DEC-08
Silver (Ag)			<0.2		mg/kg		0.2	05-DEC-08
Thallium (Tl)			<1		mg/kg		1	05-DEC-08
Vanadium (V)			<1		mg/kg		1	05-DEC-08
Zinc (Zn)			<1		mg/kg		1	05-DEC-08
MOISTURE-WT	**Soil**							
Batch R765029								
WG880505-3 DUP		**L714136-1**						
% Moisture		11.2	11.5		%	2.7	26	03-DEC-08
WG880505-2 LCS								
% Moisture			100		%		79-120	03-DEC-08
WG880505-1 MB								
% Moisture			<0.5		%		0.5	03-DEC-08
PH-R153-WT	**Soil**							
Batch R765022								
WG881035-1 CVS								
pH			100		%		63-138	03-DEC-08
WG881035-2 DUP		**L714136-1**						
pH		7.63	7.67		pH units	0.52	26	03-DEC-08
VOC-CCME-TABLE1-WT	**Soil**							

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R765367								
WG881027-1 CVS								
1,1,1,2-Tetrachloroethane			96		%		75-125	04-DEC-08
1,1,1-Trichloroethane			99		%		75-125	04-DEC-08
1,1,2,2-Tetrachloroethane			98		%		75-125	04-DEC-08
1,1,2-Trichloroethane			99		%		75-125	04-DEC-08
1,1-Dichloroethane			101		%		75-125	04-DEC-08
1,1-Dichloroethylene			99		%		75-125	04-DEC-08
1,2-Dichlorobenzene			97		%		75-125	04-DEC-08
1,2-Dichloroethane			96		%		75-125	04-DEC-08
1,2-Dichloropropane			101		%		75-125	04-DEC-08
1,3-Dichlorobenzene			99		%		75-125	04-DEC-08
1,4-Dichlorobenzene			99		%		75-125	04-DEC-08
2-Hexanone			102		%		75-125	04-DEC-08
Acetone			92		%		75-125	04-DEC-08
Benzene			96		%		75-125	04-DEC-08
Bromodichloromethane			103		%		75-125	04-DEC-08
Bromoform			88		%		75-125	04-DEC-08
Bromomethane			102		%		55-145	04-DEC-08
Carbon Disulfide			95		%		75-125	04-DEC-08
Carbon tetrachloride			98		%		75-125	04-DEC-08
Chlorobenzene			100		%		75-125	04-DEC-08
Dibromochloromethane			93		%		75-125	04-DEC-08
Chloroethane			99		%		75-125	04-DEC-08
Chloroform			103		%		75-125	04-DEC-08
Chloromethane			104		%		75-125	04-DEC-08
cis-1,2-Dichloroethylene			95		%		75-125	04-DEC-08
cis-1,3-Dichloropropene			92		%		75-125	04-DEC-08
Dibromomethane			102		%		55-145	04-DEC-08
Dichlorodifluoromethane			86		%		75-125	04-DEC-08
Ethyl Benzene			97		%		75-125	04-DEC-08
1,2-Dibromoethane			97		%		55-145	04-DEC-08
m+p-Xylenes			97		%		75-125	04-DEC-08
Methyl Ethyl Ketone			84		%		75-125	04-DEC-08
Methyl Isobutyl Ketone			104		%		55-145	04-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R765367								
WG881027-1 CVS								
MTBE			94		%		75-125	04-DEC-08
Dichloromethane			102		%		55-145	04-DEC-08
o-Xylene			96		%		75-125	04-DEC-08
Styrene			92		%		75-125	04-DEC-08
Tetrachloroethylene			96		%		75-125	04-DEC-08
Toluene			103		%		75-125	04-DEC-08
trans-1,2-Dichloroethylene			106		%		75-125	04-DEC-08
trans-1,3-Dichloropropene			92		%		75-125	04-DEC-08
Trichloroethylene			96		%		75-125	04-DEC-08
Trichlorofluoromethane			110		%		66-137	04-DEC-08
Vinyl chloride			109		%		75-125	04-DEC-08
WG880420-3 DUP		**WG880420-2**						
1,1,1,2-Tetrachloroethane		<0.008	<0.008	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,1,1-Trichloroethane		<0.008	<0.008	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,1,2,2-Tetrachloroethane		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,1,2-Trichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,1-Dichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,1-Dichloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,2-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,2-Dichloroethane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,2-Dichloropropane		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,3-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,4-Dichlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
2-Hexanone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	04-DEC-08
Acetone		<0.5	<0.5	RPD-NA	mg/kg	N/A	39	04-DEC-08
Benzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
Bromodichloromethane		<0.005	<0.005	RPD-NA	mg/kg	N/A	39	04-DEC-08
Bromoform		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
Bromomethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	04-DEC-08
Carbon Disulfide		<0.02	<0.02	RPD-NA	mg/kg	N/A	39	04-DEC-08
Carbon tetrachloride		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
Chlorobenzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
Dibromochloromethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	04-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R765367								
WG880420-3 DUP		**WG880420-2**						
Chloroethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	04-DEC-08
Chloroform		<0.006	<0.006	RPD-NA	mg/kg	N/A	39	04-DEC-08
Chloromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	04-DEC-08
cis-1,2-Dichloroethylene		<0.02	<0.02	RPD-NA	mg/kg	N/A	39	04-DEC-08
cis-1,3-Dichloropropene		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	04-DEC-08
Dibromomethane		<0.01	<0.01	RPD-NA	mg/kg	N/A	39	04-DEC-08
Dichlorodifluoromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	04-DEC-08
Ethyl Benzene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
1,2-Dibromoethane		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	04-DEC-08
m+p-Xylenes		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
Methyl Ethyl Ketone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	04-DEC-08
Methyl Isobutyl Ketone		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	04-DEC-08
MTBE		<0.2	<0.2	RPD-NA	mg/kg	N/A	39	04-DEC-08
Dichloromethane		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	04-DEC-08
o-Xylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
Styrene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
Tetrachloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
Toluene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
trans-1,2-Dichloroethylene		<0.002	<0.002	RPD-NA	mg/kg	N/A	39	04-DEC-08
trans-1,3-Dichloropropene		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	04-DEC-08
Trichloroethylene		<0.004	<0.004	RPD-NA	mg/kg	N/A	39	04-DEC-08
Trichlorofluoromethane		<0.03	<0.03	RPD-NA	mg/kg	N/A	39	04-DEC-08
Vinyl chloride		<0.003	<0.003	RPD-NA	mg/kg	N/A	39	04-DEC-08
WG880420-1 MB								
1,1,1,2-Tetrachloroethane			<0.008		mg/kg		0.008	04-DEC-08
1,1,1-Trichloroethane			<0.008		mg/kg		0.008	04-DEC-08
1,1,2,2-Tetrachloroethane			<0.004		mg/kg		0.004	04-DEC-08
1,1,2-Trichloroethane			<0.002		mg/kg		0.002	04-DEC-08
1,1-Dichloroethane			<0.002		mg/kg		0.002	04-DEC-08
1,1-Dichloroethylene			<0.002		mg/kg		0.002	04-DEC-08
1,2-Dichlorobenzene			<0.002		mg/kg		0.002	04-DEC-08
1,2-Dichloroethane			<0.002		mg/kg		0.002	04-DEC-08
1,2-Dichloropropane			<0.002		mg/kg		0.002	04-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R765367								
WG880420-1 MB								
1,3-Dichlorobenzene			<0.002		mg/kg		0.002	04-DEC-08
1,4-Dichlorobenzene			<0.002		mg/kg		0.002	04-DEC-08
2-Hexanone			<0.2		mg/kg		0.2	04-DEC-08
Acetone			<0.5		mg/kg		0.5	04-DEC-08
Benzene			<0.002		mg/kg		0.002	04-DEC-08
Bromodichloromethane			<0.005		mg/kg		0.005	04-DEC-08
Bromoform			<0.002		mg/kg		0.002	04-DEC-08
Bromomethane			<0.003		mg/kg		0.003	04-DEC-08
Carbon Disulfide			<0.02		mg/kg		0.02	04-DEC-08
Carbon tetrachloride			<0.002		mg/kg		0.002	04-DEC-08
Chlorobenzene			<0.002		mg/kg		0.002	04-DEC-08
Dibromochloromethane			<0.003		mg/kg		0.003	04-DEC-08
Chloroethane			<0.03		mg/kg		0.03	04-DEC-08
Chloroform			<0.006		mg/kg		0.006	04-DEC-08
Chloromethane			<0.03		mg/kg		0.03	04-DEC-08
cis-1,2-Dichloroethylene			<0.02		mg/kg		0.02	04-DEC-08
cis-1,3-Dichloropropene			<0.003		mg/kg		0.003	04-DEC-08
Dibromomethane			<0.01		mg/kg		0.01	04-DEC-08
Dichlorodifluoromethane			<0.03		mg/kg		0.03	04-DEC-08
Ethyl Benzene			<0.002		mg/kg		0.002	04-DEC-08
1,2-Dibromoethane			<0.004		mg/kg		0.004	04-DEC-08
m+p-Xylenes			<0.002		mg/kg		0.002	04-DEC-08
Methyl Ethyl Ketone			<0.2		mg/kg		0.2	04-DEC-08
Methyl Isobutyl Ketone			<0.2		mg/kg		0.2	04-DEC-08
MTBE			<0.2		mg/kg		0.2	04-DEC-08
Dichloromethane			<0.003		mg/kg		0.003	04-DEC-08
o-Xylene			<0.002		mg/kg		0.002	04-DEC-08
Styrene			<0.002		mg/kg		0.002	04-DEC-08
Tetrachloroethylene			<0.002		mg/kg		0.002	04-DEC-08
Toluene			<0.002		mg/kg		0.002	04-DEC-08
trans-1,2-Dichloroethylene			<0.002		mg/kg		0.002	04-DEC-08
trans-1,3-Dichloropropene			<0.003		mg/kg		0.003	04-DEC-08
Trichloroethylene			<0.004		mg/kg		0.004	04-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R765367								
WG880420-1 MB								
Trichlorofluoromethane			<0.03		mg/kg		0.03	04-DEC-08
Vinyl chloride			<0.003		mg/kg		0.003	04-DEC-08

ALS Laboratory Group Quality Control Report

Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Certificate of Analysis

XCG CONSULTANTS LTD.

ATTN: THOMAS KOLODZIEJ

820 TRILLIUM DRIVE

KITCHENER ON N2R 1K4

Reported On: 09-DEC-08 12:59 PM

Lab Work Order #: L714542 **Date Received:** 02-DEC-08

Project P.O. #:
Job Reference: 5-698-17-02
Legal Site Desc:
CofC Numbers: 62600

Other Information:

Comments:

MARY-LYNN PIKE
Account Manager

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714542-1 REG 558							
Sampled By: LUKE T on 02-DEC-08							
Matrix: SOIL					ON-558/00		
O.Reg 558 TCLP Metals and Conventionals							
Nitrate and Nitrite as N	<4		4	mg/L	1000	06-DEC-08	
Cyanide, Weak Acid Diss	<0.002		0.002	mg/L	20.0	05-DEC-08	R765839
Fluoride (F)	<10		10	mg/L	150	05-DEC-08	R766311
Mercury (Hg)	<0.0001		0.0001	mg/L	0.1	08-DEC-08	R766763
Nitrate/Nitrite-N for O. Reg 347							
Nitrate-N	<2		2	mg/L		05-DEC-08	R766311
Nitrite-N	<2		2	mg/L		05-DEC-08	R766311
O.Reg 347 TCLP Leachable Metals							
Silver (Ag)	<0.001		0.001	mg/L	5	08-DEC-08	R766655
Arsenic (As)	<0.01		0.01	mg/L	2.5	08-DEC-08	R766655
Boron (B)	<0.5		0.5	mg/L	500	08-DEC-08	R766655
Barium (Ba)	0.8		0.1	mg/L	100	08-DEC-08	R766655
Cadmium (Cd)	0.003		0.001	mg/L	0.5	08-DEC-08	R766655
Chromium (Cr)	<0.01		0.01	mg/L	5.0	08-DEC-08	R766655
Lead (Pb)	0.04		0.01	mg/L	5.0	08-DEC-08	R766655
Selenium (Se)	<0.05		0.05	mg/L	1.0	08-DEC-08	R766655
Uranium (U)	<0.05		0.05	mg/L	10.0	08-DEC-08	R766655
Individual Analytes							
% Moisture	17.1		0.5	%		03-DEC-08	R765029
PCBs for O. Reg 347							
Aroclor 1260	<0.0002		0.0002	mg/L		08-DEC-08	R767126
Aroclor 1254	<0.0002		0.0002	mg/L		08-DEC-08	R767126
Aroclor 1242	<0.0002		0.0002	mg/L		08-DEC-08	R767126
Aroclor 1248	<0.0002		0.0002	mg/L		08-DEC-08	R767126
Total PCBs	<0.0002		0.0002	mg/L	0.3	08-DEC-08	R767126
Surr: d14-Terphenyl	114		25-175	%		08-DEC-08	R767126
VOC for O. Reg 347							
1,1-Dichloroethylene	<0.05		0.05	mg/L	1.4	06-DEC-08	R766180
1,2-Dichlorobenzene	<0.05		0.05	mg/L	20.0	06-DEC-08	R766180
1,2-Dichloroethane	<0.05		0.05	mg/L	0.5	06-DEC-08	R766180
1,4-Dichlorobenzene	<0.05		0.05	mg/L	0.5	06-DEC-08	R766180
Benzene	<0.05		0.05	mg/L	0.5	06-DEC-08	R766180
Carbon tetrachloride	<0.05		0.05	mg/L	0.5	06-DEC-08	R766180
Chlorobenzene	<0.05		0.05	mg/L	8.0	06-DEC-08	R766180
Chloroform	<0.05		0.05	mg/L	10.0	06-DEC-08	R766180
Dichloromethane	<0.05		0.05	mg/L	5.0	06-DEC-08	R766180
Methyl Ethyl Ketone	<2		2	mg/L	200	06-DEC-08	R766180
Tetrachloroethylene	<0.05		0.05	mg/L	3.0	06-DEC-08	R766180
Trichloroethylene	<0.05		0.05	mg/L	5.0	06-DEC-08	R766180
Vinyl chloride	<0.1		0.1	mg/L	0.2	06-DEC-08	R766180
Surr: 1,2-Dichloroethane d4	106		70-130	%		06-DEC-08	R766180
Surr: Toluene-d8	107		70-130	%		06-DEC-08	R766180
Surr: 4-Bromofluorobenzene	104		70-130	%		06-DEC-08	R766180

** analytical results for this parameter exceed criteria limits listed on this report

O.REG 558/00 LEACHATE QUALITY CRITERIA

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
CN-TCLP-WT	Waste	Cyanide for O. Reg 347		APHA 4500CN C E
ETL-N2N3-WT	Water	Calculate from NO2 + NO3		APHA 4110 B
F-TCLP-WT	Waste	Fluoride (F) for O. Reg 347		APHA 4110 B-Ion Chromatography
HG-TCLP-WT	Waste	Mercury (CVAA) for O.Reg 347		SW846 7470A
MET-TCLP-WT	Waste	O.Reg 347 TCLP Leachable Metals		EPA 200.8
MOISTURE-WT	Soil	% Moisture		Gravimetric: Oven Dried
N2N3-TCLP-WT	Waste	Nitrate/Nitrite-N for O. Reg 347		APHA 4110 B-Ion Chromatography
PCB-TCLP-WT	Waste	PCBs for O. Reg 347		SW846 8270
VOC-TCLP-WT	Waste	VOC for O. Reg 347		SW846 8260

Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

62600

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS LABORATORY GROUP - WATERLOO, ONTARIO, CAN		

GLOSSARY OF REPORT TERMS
Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds.
The reported surrogate recovery value provides a measure of method efficiency. The Laboratory control limits are determined under column heading D.L.
mg/kg (units) - unit of concentration based on mass, parts per million
mg/L (units) - unit of concentration based on volume, parts per million
< - Less than
D.L. - Detection Limit
N/A - Result not available. Refer to qualifier code and definition for explanation

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS.
Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.

ALS provides criteria information as a service to you, our customer. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. ALS recommends review of the most current version of the regulation, and assumes no responsibility for the accuracy of the criteria levels indicated.

ALS Laboratory Group Quality Control Report

Workorder: L714542 Report Date: 09-DEC-08

Client: XCG CONSULTANTS LTD.
820 TRILLIUM DRIVE
KITCHENER ON N2R 1K4

Contact: THOMAS KOLODZIEJ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MOISTURE-WT	**Soil**							
Batch R765029								
WG880505-3 DUP		**L714136-1**						
% Moisture		11.2	11.5		%	2.7	26	03-DEC-08
WG880505-2 LCS								
% Moisture			100		%		79-120	03-DEC-08
WG880505-1 MB								
% Moisture			<0.5		%		0.5	03-DEC-08
CN-TCLP-WT	**Waste**							
Batch R765839								
WG881848-2 CVS								
Cyanide, Weak Acid Diss			104		%		85-115	05-DEC-08
WG881848-3 DUP		**L714542-1**						
Cyanide, Weak Acid Diss		<0.002	<0.002	RPD-NA	mg/L	N/A	26	05-DEC-08
WG881848-1 MB								
Cyanide, Weak Acid Diss			<0.002		mg/L		0.002	05-DEC-08
F-TCLP-WT	**Waste**							
Batch R766311								
WG881966-5 DUP		**WG881966-4**						
Fluoride (F)		<10	<10	RPD-NA	mg/L	N/A	20	05-DEC-08
WG881966-8 DUP		**L714542-1**						
Fluoride (F)		<10	<10	RPD-NA	mg/L	N/A	20	05-DEC-08
WG881966-3 LCS								
Fluoride (F)			102		%		75-125	05-DEC-08
WG881966-1 MB								
Fluoride (F)			<10		mg/L		10	05-DEC-08
HG-TCLP-WT	**Waste**							
Batch R766763								
WG882776-2 CVS								
Mercury (Hg)			96		%		67-119	08-DEC-08
WG882776-4 DUP		**WG882776-3**						
Mercury (Hg)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	20	08-DEC-08
WG882776-1 MB								
Mercury (Hg)			<0.0001		mg/L		0.0001	08-DEC-08
MET-TCLP-WT	**Waste**							
Batch R766655								
WG882785-1 CVS								
Arsenic (As)			112		%		91-121	08-DEC-08
Barium (Ba)			108		%		88-120	08-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L714542 Report Date: 09-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TCLP-WT	**Waste**							
Batch R766655								
WG882785-1 CVS								
Boron (B)			115		%		70-130	08-DEC-08
Cadmium (Cd)			112		%		86-120	08-DEC-08
Chromium (Cr)			109		%		88-120	08-DEC-08
Lead (Pb)			115		%		88-124	08-DEC-08
Selenium (Se)			106		%		86-128	08-DEC-08
Silver (Ag)			105		%		70-130	08-DEC-08
Uranium (U)			113		%		70-130	08-DEC-08
WG882785-5 DUP		**WG882785-4**						
Arsenic (As)		<0.01	<0.01	RPD-NA	mg/L	N/A	20	08-DEC-08
Barium (Ba)		0.9	0.9	J	mg/L	0.0	0.4	08-DEC-08
Boron (B)		<0.5	<0.5	RPD-NA	mg/L	N/A	20	08-DEC-08
Cadmium (Cd)		0.003	0.003	J	mg/L	0.000	0.004	08-DEC-08
Chromium (Cr)		<0.01	<0.01	RPD-NA	mg/L	N/A	20	08-DEC-08
Lead (Pb)		0.04	0.04	J	mg/L	0.00	0.04	08-DEC-08
Selenium (Se)		<0.05	<0.05	RPD-NA	mg/L	N/A	26	08-DEC-08
Silver (Ag)		<0.001	<0.001	RPD-NA	mg/L	N/A	20	08-DEC-08
Uranium (U)		<0.05	<0.05	RPD-NA	mg/L	N/A	26	08-DEC-08
WG882785-3 MB								
Arsenic (As)			<0.001		mg/L		0.001	08-DEC-08
Barium (Ba)			<0.01		mg/L		0.01	08-DEC-08
Boron (B)			<0.05		mg/L		0.05	08-DEC-08
Cadmium (Cd)			<0.0001		mg/L		0.0001	08-DEC-08
Chromium (Cr)			<0.001		mg/L		0.001	08-DEC-08
Lead (Pb)			<0.001		mg/L		0.001	08-DEC-08
Selenium (Se)			<0.005		mg/L		0.005	08-DEC-08
Silver (Ag)			<0.0001		mg/L		0.0001	08-DEC-08
Uranium (U)			<0.005		mg/L		0.005	08-DEC-08
N2N3-TCLP-WT	**Waste**							
Batch R766311								
WG881966-5 DUP		**WG881966-4**						
Nitrate-N		<2	<2	RPD-NA	mg/L	N/A	35	05-DEC-08
Nitrite-N		<2	<2	RPD-NA	mg/L	N/A	26	05-DEC-08
WG881966-8 DUP		**L714542-1**						
Nitrate-N		<2	<2					

ALS Laboratory Group Quality Control Report

Workorder: L714542 Report Date: 09-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
N2N3-TCLP-WT	**Waste**							
Batch R766311								
WG881966-8 DUP		**L714542-1**						
Nitrate-N		<2	<2	RPD-NA	mg/L	N/A	35	05-DEC-08
Nitrite-N		<2	<2	RPD-NA	mg/L	N/A	26	05-DEC-08
WG881966-3 LCS								
Nitrate-N			93		%		87-110	05-DEC-08
Nitrite-N			100		%		75-125	05-DEC-08
WG881966-1 MB								
Nitrate-N			<2		mg/L		2	05-DEC-08
Nitrite-N			<2		mg/L		2	05-DEC-08
PCB-TCLP-WT	**Waste**							
Batch R767126								
WG883366-1 CVS								
Aroclor 1242			97		%		62-116	08-DEC-08
Aroclor 1248			101		%		55-145	08-DEC-08
Aroclor 1254			98		%		63-121	08-DEC-08
Aroclor 1260			109		%		71-119	08-DEC-08
Total PCBs			101		%		55-145	08-DEC-08
WG882809-4 DUP		**L714542-1**						
Aroclor 1242		<0.0002	<0.0002	RPD-NA	mg/L	N/A	39	08-DEC-08
Aroclor 1248		<0.0002	<0.0002	RPD-NA	mg/L	N/A	39	08-DEC-08
Aroclor 1254		<0.0002	<0.0002	RPD-NA	mg/L	N/A	39	08-DEC-08
Aroclor 1260		<0.0002	<0.0002	RPD-NA	mg/L	N/A	39	08-DEC-08
Total PCBs		<0.0002	<0.0002	RPD-NA	mg/L	N/A	39	08-DEC-08
WG882809-2 LCS								
Aroclor 1242			92		%		42-117	08-DEC-08
Aroclor 1248			92		%		55-145	08-DEC-08
Aroclor 1254			103		%		50-130	08-DEC-08
Aroclor 1260			117		%		50-130	08-DEC-08
Total PCBs			101		%		55-145	08-DEC-08
WG882809-3 LCSD		**WG882809-2**						
Aroclor 1242		92	94		%	2.8	45	08-DEC-08
Aroclor 1248		92	92		%	0.0	45	08-DEC-08
Aroclor 1254		103	106		%	3.6	45	08-DEC-08
Aroclor 1260		117	122		%	4.0	45	08-DEC-08
Total PCBs		101	104		%	2.7	45	08-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L714542 Report Date: 09-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-TCLP-WT	**Waste**							
Batch R767126								
WG882809-1 MB								
Aroclor 1242			<0.0002		mg/L		0.0002	08-DEC-08
Aroclor 1248			<0.0002		mg/L		0.0002	08-DEC-08
Aroclor 1254			<0.0002		mg/L		0.0002	08-DEC-08
Aroclor 1260			<0.0002		mg/L		0.0002	08-DEC-08
Total PCBs			<0.0002		mg/L		0.0002	08-DEC-08
VOC-TCLP-WT	**Waste**							
Batch R766180								
WG881951-1 CVS								
1,1-Dichloroethylene			95		%		70-130	05-DEC-08
1,2-Dichlorobenzene			95		%		67-129	05-DEC-08
1,2-Dichloroethane			91		%		62-142	05-DEC-08
1,4-Dichlorobenzene			95		%		67-129	05-DEC-08
Benzene			100		%		81-120	05-DEC-08
Carbon tetrachloride			86		%		71-127	05-DEC-08
Chlorobenzene			100		%		85-116	05-DEC-08
Chloroform			93		%		77-121	05-DEC-08
Methyl Ethyl Ketone			96		%		25-175	05-DEC-08
Dichloromethane			94		%		71-126	05-DEC-08
Tetrachloroethylene			101		%		67-117	05-DEC-08
Trichloroethylene			99		%		70-130	05-DEC-08
Vinyl chloride			100		%		58-141	05-DEC-08
WG881951-4 DUP		**WG881951-3**						
1,1-Dichloroethylene		<0.05	<0.05	RPD-NA	mg/L	N/A	39	06-DEC-08
1,2-Dichlorobenzene		<0.05	<0.05	RPD-NA	mg/L	N/A	39	06-DEC-08
1,2-Dichloroethane		<0.05	<0.05	RPD-NA	mg/L	N/A	39	06-DEC-08
1,4-Dichlorobenzene		<0.05	<0.05	RPD-NA	mg/L	N/A	39	06-DEC-08
Benzene		<0.05	<0.05	RPD-NA	mg/L	N/A	65	06-DEC-08
Carbon tetrachloride		<0.05	<0.05	RPD-NA	mg/L	N/A	39	06-DEC-08
Chlorobenzene		<0.05	<0.05	RPD-NA	mg/L	N/A	39	06-DEC-08
Chloroform		<0.05	<0.05	RPD-NA	mg/L	N/A	39	06-DEC-08
Methyl Ethyl Ketone		<2	<2	RPD-NA	mg/L	N/A	39	06-DEC-08
Dichloromethane		<0.05	<0.05	RPD-NA	mg/L	N/A	65	06-DEC-08
Tetrachloroethylene		<0.05	<0.05	RPD-NA	mg/L	N/A	65	06-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-TCLP-WT	**Waste**							
Batch R766180								
WG881951-4 DUP		**WG881951-3**						
Trichloroethylene		<0.05	<0.05	RPD-NA	mg/L	N/A	65	06-DEC-08
Vinyl chloride		<0.1	<0.1	RPD-NA	mg/L	N/A	39	06-DEC-08
WG881951-2 MB								
1,1-Dichloroethylene			<0.05		mg/L		0.05	06-DEC-08
1,2-Dichlorobenzene			<0.05		mg/L		0.05	06-DEC-08
1,2-Dichloroethane			<0.05		mg/L		0.05	06-DEC-08
1,4-Dichlorobenzene			<0.05		mg/L		0.05	06-DEC-08
Benzene			<0.05		mg/L		0.05	06-DEC-08
Carbon tetrachloride			<0.05		mg/L		0.05	06-DEC-08
Chlorobenzene			<0.05		mg/L		0.05	06-DEC-08
Chloroform			<0.05		mg/L		0.05	06-DEC-08
Methyl Ethyl Ketone			<2		mg/L		2	06-DEC-08
Tetrachloroethylene			<0.05		mg/L		0.05	06-DEC-08
Trichloroethylene			<0.05		mg/L		0.05	06-DEC-08
Vinyl chloride			<0.1		mg/L		0.1	06-DEC-08
Dichloromethane			0.06	A	mg/L		0.05	06-DEC-08

COMMENTS: Related samples were unaffected.

ALS Laboratory Group Quality Control Report

Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Certificate of Analysis

XCG CONSULTANTS LTD.

ATTN: THOMAS KOLODZIEJ

820 TRILLIUM DRIVE

KITCHENER ON N2R 1K4

Reported On: 15-DEC-08 01:57 PM

Lab Work Order #: L715317 **Date Received:** 05-DEC-08

Project P.O. #:
Job Reference: 5-698-17-02
Legal Site Desc:
CofC Numbers: 62599

Other Information:

Comments:

MARY-LYNN PIKE
Account Manager

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L715317-1 MW-1							
Sampled By: LUKE on 04-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
Individual Analytes							
PCBs							
Aroclor 1242	<0.02		0.02	ug/L		09-DEC-08	R767137
Aroclor 1248	<0.02		0.02	ug/L		09-DEC-08	R767137
Aroclor 1254	<0.02		0.02	ug/L		09-DEC-08	R767137
Aroclor 1260	<0.02		0.02	ug/L		09-DEC-08	R767137
Total PCBs	0.03		0.02	ug/L	0.1	09-DEC-08	R767137
Surr: d14-Terphenyl	56		25-175	%		09-DEC-08	R767137
L715317-2 BH-2							
Sampled By: LUKE on 04-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
VOC, F1-F4 (O.Reg.153/04)							
BTEX (O.Reg.153/04)							
Benzene	<0.5		0.5	ug/L	5	08-DEC-08	R766532
Ethyl Benzene	<0.5		0.5	ug/L	2.4	08-DEC-08	R766532
m+p-Xylenes	<1		1	ug/L		08-DEC-08	R766532
o-Xylene	<0.5		0.5	ug/L		08-DEC-08	R766532
Toluene	<0.5		0.5	ug/L	0.8	08-DEC-08	R766532
Xylene, (total)	<1.5		1.5	ug/L	72	08-DEC-08	R766532
Surr: 2,5-Dibromotoluene	103		25-175	%		08-DEC-08	R766532
CCME Total Hydrocarbons							
F1 (C6-C10)	<100		100	ug/L		08-DEC-08	
F1-BTEX	<100		100	ug/L		08-DEC-08	
F2 (C10-C16)	<100		100	ug/L		08-DEC-08	
F3 (C16-C34)	<250		250	ug/L		08-DEC-08	
F4 (C34-C50)	<250		250	ug/L		08-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L		08-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit		08-DEC-08	
Analysis Date				No Unit		08-DEC-08	R766539
F2-F4 (O.Reg.153/04)							
Prep/Analysis Dates				No Unit		08-DEC-08	R766589
Surr: Octacosane	90		49-120	%		08-DEC-08	R766589
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	<0.5		0.5	ug/L	5	08-DEC-08	R766722
1,1,2,2-Tetrachloroethane	<0.5		0.5	ug/L	1	08-DEC-08	R766722
1,1,1-Trichloroethane	<0.5		0.5	ug/L	10	08-DEC-08	R766722
1,1,2-Trichloroethane	<0.5		0.5	ug/L	5	08-DEC-08	R766722
1,2-Dibromoethane	<0.5		0.5	ug/L	1	08-DEC-08	R766722
1,1-Dichloroethane	<0.5		0.5	ug/L	70	08-DEC-08	R766722
1,1-Dichloroethylene	<0.5		0.5	ug/L	0.66	08-DEC-08	R766722
1,2-Dichlorobenzene	<0.5		0.5	ug/L	2.5	08-DEC-08	R766722
1,2-Dichloroethane	<0.5		0.5	ug/L	5	08-DEC-08	R766722
1,2-Dichloropropane	<0.5		0.5	ug/L	0.7	08-DEC-08	R766722
1,3-Dichlorobenzene	<0.5		0.5	ug/L	2.5	08-DEC-08	R766722
1,4-Dichlorobenzene	<0.5		0.5	ug/L	1	08-DEC-08	R766722
2-Hexanone	<20		20	ug/L		08-DEC-08	R766722

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units		Criteria Specific Limits	Analyzed	Batch
L715317-2 BH-2								
Sampled By: LUKE on 04-DEC-08								
Matrix: WATER						GROUNDWATER, ALL PROPERTIES		
VOC, F1-F4 (O.Reg.153/04)								
Volatile Organic Compounds								
Acetone	<20		20	ug/L			08-DEC-08	R766722
Bromodichloromethane	<0.5		0.5	ug/L		5	08-DEC-08	R766722
Bromoform	<0.5		0.5	ug/L		5	08-DEC-08	R766722
Bromomethane	<0.5	RAMB	0.5	ug/L		0.9	08-DEC-08	R766722
Carbon Disulfide	<0.5		0.5	ug/L			08-DEC-08	R766722
Carbon tetrachloride	<0.5		0.5	ug/L		0.5	08-DEC-08	R766722
Chlorobenzene	<0.5		0.5	ug/L		15	08-DEC-08	R766722
Chloroethane	<1		1	ug/L			08-DEC-08	R766722
Chloroform	<0.5		0.5	ug/L		0.5	08-DEC-08	R766722
Chloromethane	<1		1	ug/L			08-DEC-08	R766722
cis-1,2-Dichloroethylene	<0.5		0.5	ug/L		70	08-DEC-08	R766722
cis-1,3-Dichloropropene	<0.5		0.5	ug/L		1.4	08-DEC-08	R766722
Dibromochloromethane	<0.5		0.5	ug/L		0.5	08-DEC-08	R766722
Dichlorodifluoromethane	<1		1	ug/L			08-DEC-08	R766722
Dichloromethane	<0.5		0.5	ug/L		50	08-DEC-08	R766722
Methyl Ethyl Ketone	<20		20	ug/L		350	08-DEC-08	R766722
Methyl Isobutyl Ketone	<20		20	ug/L			08-DEC-08	R766722
MTBE	<0.5		0.5	ug/L		200	08-DEC-08	R766722
Styrene	<0.5		0.5	ug/L		4	08-DEC-08	R766722
Tetrachloroethylene	<0.5		0.5	ug/L		5	08-DEC-08	R766722
trans-1,2-Dichloroethylene	<0.5		0.5	ug/L		100	08-DEC-08	R766722
trans-1,3-Dichloropropene	<0.5		0.5	ug/L		1.4	08-DEC-08	R766722
Trichloroethylene	<0.5		0.5	ug/L		20	08-DEC-08	R766722
Trichlorofluoromethane	<1		1	ug/L			08-DEC-08	R766722
Trihalomethanes (total)	<2		2	ug/L			08-DEC-08	R766722
Vinyl chloride	<0.5		0.5	ug/L		0.5	08-DEC-08	R766722
Surr: 1,2-Dichloroethane d4	117		50-150	%			08-DEC-08	R766722
Surr: Toluene-d8	99		70-130	%			08-DEC-08	R766722
Surr: 4-Bromofluorobenzene	102		50-150	%			08-DEC-08	R766722
Individual Analytes								
Standard Metal Scan								
Antimony (Sb)	<5		5	ug/L		6	09-DEC-08	R767306
Arsenic (As)	<1		1	ug/L		25	09-DEC-08	R767306
Barium (Ba)	990		10	ug/L			09-DEC-08	R767306
Beryllium (Be)	<1		1	ug/L		4	10-DEC-08	R767755
Boron (B)	<50		50	ug/L		200	10-DEC-08	R767755
Cadmium (Cd)	0.4		0.1	ug/L		0.5	09-DEC-08	R767306
Chromium (Cr)	3		1	ug/L		8.9	09-DEC-08	R767306
Cobalt (Co)	1.4		0.5	ug/L	**	0.9	09-DEC-08	R767306
Copper (Cu)	3		1	ug/L	**	2.5	09-DEC-08	R767306
Lead (Pb)	<1		1	ug/L		1	09-DEC-08	R767306
Molybdenum (Mo)	<1		1	ug/L		40	09-DEC-08	R767306
Nickel (Ni)	30		2	ug/L	**	25	09-DEC-08	R767306
Selenium (Se)	<5		5	ug/L		5	09-DEC-08	R767306
Silver (Ag)	0.1		0.1	ug/L		0.25	09-DEC-08	R767306
Sodium (Na)	1760000	DLM	50000	ug/L			11-DEC-08	R768476
Thallium (Tl)	<0.3		0.3	ug/L		0.5	09-DEC-08	R767306
Vanadium (V)	<1		1	ug/L		6	09-DEC-08	R767306

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L715317-2 BH-2							
Sampled By: LUKE on 04-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
Individual Analytes							
Standard Metal Scan							
Zinc (Zn)	12		3	ug/L	20	09-DEC-08	R767306
L715317-3 MW-6							
Sampled By: LUKE on 04-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)							
BTEX (O.Reg.153/04)							
Benzene	<0.5		0.5	ug/L	5	08-DEC-08	R766532
Ethyl Benzene	<0.5		0.5	ug/L	2.4	08-DEC-08	R766532
m+p-Xylenes	<1		1	ug/L		08-DEC-08	R766532
o-Xylene	<0.5		0.5	ug/L		08-DEC-08	R766532
Toluene	0.8		0.5	ug/L	** 0.8	08-DEC-08	R766532
Xylene, (total)	<1.5		1.5	ug/L	72	08-DEC-08	R766532
Surr: 2,5-Dibromotoluene	103		25-175	%		08-DEC-08	R766532
CCME Total Hydrocarbons							
F1 (C6-C10)	<100		100	ug/L		08-DEC-08	
F1-BTEX	<100		100	ug/L		08-DEC-08	
F2 (C10-C16)	<100		100	ug/L		08-DEC-08	
F3 (C16-C34)	<250		250	ug/L		08-DEC-08	
F4 (C34-C50)	<250		250	ug/L		08-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L		08-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit		08-DEC-08	
Analysis Date				No Unit		08-DEC-08	R766539
F2-F4 (O.Reg.153/04)							
Prep/Analysis Dates				No Unit		08-DEC-08	R766589
Surr: Octacosane	90		49-120	%		08-DEC-08	R766589
Individual Analytes							
Standard Metal Scan							
Antimony (Sb)	<5		5	ug/L	6	09-DEC-08	R767306
Arsenic (As)	<1		1	ug/L	25	09-DEC-08	R767306
Barium (Ba)	260		10	ug/L		09-DEC-08	R767306
Beryllium (Be)	<1		1	ug/L	4	10-DEC-08	R767755
Boron (B)	60		50	ug/L	200	10-DEC-08	R767755
Cadmium (Cd)	0.2		0.1	ug/L	0.5	09-DEC-08	R767306
Chromium (Cr)	1		1	ug/L	8.9	09-DEC-08	R767306
Cobalt (Co)	2.7		0.5	ug/L	** 0.9	09-DEC-08	R767306
Copper (Cu)	5		1	ug/L	** 2.5	09-DEC-08	R767306
Lead (Pb)	<1		1	ug/L	1	09-DEC-08	R767306
Molybdenum (Mo)	5		1	ug/L	40	09-DEC-08	R767306
Nickel (Ni)	11		2	ug/L	25	09-DEC-08	R767306
Selenium (Se)	6		5	ug/L	** 5	09-DEC-08	R767306
Silver (Ag)	<0.1		0.1	ug/L	0.25	09-DEC-08	R767306
Sodium (Na)	390000	DLM	50000	ug/L		11-DEC-08	R768476
Thallium (Tl)	<0.3		0.3	ug/L	0.5	09-DEC-08	R767306
Vanadium (V)	<1		1	ug/L	6	09-DEC-08	R767306

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L715317-3 MW-6							
Sampled By: LUKE on 04-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
Individual Analytes							
Standard Metal Scan							
Zinc (Zn)	15		3	ug/L	20	09-DEC-08	R767306
L715317-4 6							
Sampled By: LUKE on 04-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
Individual Analytes							
Standard Metal Scan							
Antimony (Sb)	<5		5	ug/L	6	09-DEC-08	R767306
Arsenic (As)	<1		1	ug/L	25	09-DEC-08	R767306
Barium (Ba)	310		10	ug/L		09-DEC-08	R767306
Beryllium (Be)	<1		1	ug/L	4	10-DEC-08	R767755
Boron (B)	60		50	ug/L	200	10-DEC-08	R767755
Cadmium (Cd)	0.2		0.1	ug/L	0.5	09-DEC-08	R767306
Chromium (Cr)	3		1	ug/L	8.9	09-DEC-08	R767306
Cobalt (Co)	0.6		0.5	ug/L	0.9	09-DEC-08	R767306
Copper (Cu)	12		1	ug/L	** 2.5	09-DEC-08	R767306
Lead (Pb)	7		1	ug/L	** 1	09-DEC-08	R767306
Molybdenum (Mo)	<1		1	ug/L	40	09-DEC-08	R767306
Nickel (Ni)	11		2	ug/L	25	09-DEC-08	R767306
Selenium (Se)	<5		5	ug/L	5	09-DEC-08	R767306
Silver (Ag)	<0.1		0.1	ug/L	0.25	09-DEC-08	R767306
Sodium (Na)	3900000	DLM	500000	ug/L		12-DEC-08	R768800
Thallium (Tl)	<0.3		0.3	ug/L	0.5	09-DEC-08	R767306
Vanadium (V)	<1		1	ug/L	6	09-DEC-08	R767306
Zinc (Zn)	17		3	ug/L	20	09-DEC-08	R767306

** analytical results for this parameter exceed criteria limits listed on this report

O.Reg.153, Table 1 MARCH 9, 2004

Sample Parameter Qualifier key listed:

Qualifier	Description
DLM	Detection Limit Adjustment For Sample Matrix Effects
RAMB	Result Adjusted For Method Blank

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
BTX-R153-WT	Water	BTEX (O.Reg.153/04)		MOE DECPH-E3421/CCME Tier 1
ETL-TVH,TEH-CCME-WT	Water	CCME Total Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-WT	Water	F1 (O.Reg.153/04)		MOE DECPH-E3421/CCME Tier 1
F2-F4-WT	Water	F2-F4 (O.Reg.153/04)		MOE DECPH-E3421/CCME Tier 1
MET-R153-WT	Water	Standard Metal Scan		EPA 200.8
PCB-WT	Water	PCBs		EPA 8082
VOC-ROU-NO-BTX-WT	Water	Volatile Organic Compounds		SW846 8260

Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

62599

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS LABORATORY GROUP - WATERLOO, ONTARIO, CAN		

Reference Information

5-698-17-02

GLOSSARY OF REPORT TERMS
Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds. The reported surrogate recovery value provides a measure of method efficiency. The Laboratory control limits are determined under column heading D.L.
mg/kg (units) - unit of concentration based on mass, parts per million
mg/L (units) - unit of concentration based on volume, parts per million
< - Less than
D.L. - Detection Limit
N/A - Result not available. Refer to qualifier code and definition for explanation

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS.
Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.

ALS provides criteria information as a service to you, our customer. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. ALS recommends review of the most current version of the regulation, and assumes no responsibility for the accuracy of the criteria levels indicated.

ALS Laboratory Group Quality Control Report

Workorder: L715317 Report Date: 15-DEC-08 Page 1 of 10

Client: XCG CONSULTANTS LTD.
820 TRILLIUM DRIVE
KITCHENER ON N2R 1K4
Contact: THOMAS KOLODZIEJ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BTX-R153-WT	**Water**							
Batch R766532								
WG882823-1 CVS								
Benzene			98		%		79-117	08-DEC-08
Ethyl Benzene			97		%		80-117	08-DEC-08
m+p-Xylenes			101		%		75-127	08-DEC-08
o-Xylene			96		%		81-118	08-DEC-08
Toluene			97		%		79-117	08-DEC-08
WG882823-3 DUP		**L714711-1**						
Benzene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	08-DEC-08
Ethyl Benzene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	08-DEC-08
m+p-Xylenes		<1	<1	RPD-NA	ug/L	N/A	39	08-DEC-08
o-Xylene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	08-DEC-08
Toluene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	08-DEC-08
WG882823-2 MB								
Benzene			<0.5		ug/L		0.5	08-DEC-08
Ethyl Benzene			<0.5		ug/L		0.5	08-DEC-08
m+p-Xylenes			<1		ug/L		1	08-DEC-08
o-Xylene			<0.5		ug/L		0.5	08-DEC-08
Toluene			<0.5		ug/L		0.5	08-DEC-08
F1-WT	**Water**							
Batch R766539								
WG882824-1 CVS								
TVH: (C6-C10 / No BTEX Correction)			92		%		54-126	08-DEC-08
WG882824-3 DUP		**L714711-1**						
TVH: (C6-C10 / No BTEX Correction)		<100	<100	RPD-NA	ug/L	N/A	30	08-DEC-08
WG882824-2 MB								
TVH: (C6-C10 / No BTEX Correction)			<100		ug/L		100	08-DEC-08
F2-F4-WT	**Water**							
Batch R766589								
WG882934-1 CVS								
F2 (C10-C16)			101		%		80-120	08-DEC-08
F3 (C16-C34)			104		%		80-120	08-DEC-08
F4 (C34-C50)			107		%		80-120	08-DEC-08
WG882934-2 CVS								
F2 (C10-C16)			100		%		80-120	09-DEC-08
F3 (C16-C34)			102		%		80-120	09-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L715317 Report Date: 15-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-WT	**Water**							
Batch R766589								
WG882934-2 CVS								
F4 (C34-C50)			108		%		80-120	09-DEC-08
WG882537-2 LCS								
F2 (C10-C16)			84		%		40-120	08-DEC-08
F3 (C16-C34)			92		%		56-104	08-DEC-08
F4 (C34-C50)			94		%		50-110	08-DEC-08
WG882537-3 LCSD		**WG882537-2**						
F2 (C10-C16)		84	86		%	3.0	45	08-DEC-08
F3 (C16-C34)		92	94		%	2.1	45	08-DEC-08
F4 (C34-C50)		94	97		%	2.7	45	08-DEC-08
WG882537-1 MB								
F2 (C10-C16)			<100		ug/L		100	08-DEC-08
F3 (C16-C34)			<250		ug/L		250	08-DEC-08
F4 (C34-C50)			<250		ug/L		250	08-DEC-08
MET-R153-WT	**Water**							
Batch R767306								
WG883196-1 CVS								
Antimony (Sb)			101		%		80-120	09-DEC-08
Arsenic (As)			110		%		80-120	09-DEC-08
Barium (Ba)			106		%		80-120	09-DEC-08
Cadmium (Cd)			109		%		80-120	09-DEC-08
Chromium (Cr)			105		%		80-120	09-DEC-08
Cobalt (Co)			110		%		80-120	09-DEC-08
Copper (Cu)			103		%		80-120	09-DEC-08
Lead (Pb)			113		%		80-120	09-DEC-08
Molybdenum (Mo)			111		%		80-120	09-DEC-08
Nickel (Ni)			108		%		80-120	09-DEC-08
Selenium (Se)			104		%		80-120	09-DEC-08
Silver (Ag)			104		%		80-120	09-DEC-08
Thallium (Tl)			111		%		63-138	09-DEC-08
Vanadium (V)			101		%		63-138	09-DEC-08
Zinc (Zn)			108		%		80-120	09-DEC-08
WG883196-5 DUP		**WG883196-4**						
Antimony (Sb)		<5	<5	RPD-NA	ug/L	N/A	20	09-DEC-08
Arsenic (As)		<1	<1	RPD-NA	ug/L	N/A	20	09-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Water**							
Batch R767306								
WG883196-5 DUP		**WG883196-4**						
Barium (Ba)		<10	<10	RPD-NA	ug/L	N/A	20	09-DEC-08
Cadmium (Cd)		<0.1	<0.1	RPD-NA	ug/L	N/A	26	09-DEC-08
Chromium (Cr)		2	2	J	ug/L	0	4	09-DEC-08
Cobalt (Co)		<0.5	<0.5	RPD-NA	ug/L	N/A	26	09-DEC-08
Copper (Cu)		8	8	J	ug/L	0	4	09-DEC-08
Lead (Pb)		<1	<1	RPD-NA	ug/L	N/A	20	09-DEC-08
Molybdenum (Mo)		7	7	J	ug/L	0	4	09-DEC-08
Nickel (Ni)		31	31		ug/L	0.83	26	09-DEC-08
Selenium (Se)		<5	<5	RPD-NA	ug/L	N/A	26	09-DEC-08
Silver (Ag)		<0.1	<0.1	RPD-NA	ug/L	N/A	26	09-DEC-08
Thallium (Tl)		<0.3	<0.3	RPD-NA	ug/L	N/A	26	09-DEC-08
Vanadium (V)		<1	<1	RPD-NA	ug/L	N/A	26	09-DEC-08
Zinc (Zn)		39	39		ug/L	0.015	20	09-DEC-08
WG883196-3 MB								
Antimony (Sb)			<5		ug/L		5	09-DEC-08
Arsenic (As)			<1		ug/L		1	09-DEC-08
Barium (Ba)			<10		ug/L		10	09-DEC-08
Cadmium (Cd)			<0.1		ug/L		0.1	09-DEC-08
Chromium (Cr)			<1		ug/L		1	09-DEC-08
Cobalt (Co)			<0.5		ug/L		0.5	09-DEC-08
Copper (Cu)			<1		ug/L		1	09-DEC-08
Lead (Pb)			<1		ug/L		1	09-DEC-08
Molybdenum (Mo)			<1		ug/L		1	09-DEC-08
Nickel (Ni)			<2		ug/L		2	09-DEC-08
Selenium (Se)			<5		ug/L		5	09-DEC-08
Silver (Ag)			<0.1		ug/L		0.1	09-DEC-08
Thallium (Tl)			<0.3		ug/L		0.3	09-DEC-08
Vanadium (V)			<1		ug/L		1	09-DEC-08
Zinc (Zn)			<3		ug/L		3	09-DEC-08
Batch R767755								
WG884103-1 CVS								
Beryllium (Be)			112		%		80-120	10-DEC-08
Boron (B)			108		%		70-130	10-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L715317 Report Date: 15-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Water**							
Batch R767755								
WG884103-5 DUP		**WG884103-4**						
Beryllium (Be)		<10	<10	RPD-NA	ug/L	N/A	26	10-DEC-08
Boron (B)		<500	<500	RPD-NA	ug/L	N/A	20	10-DEC-08
WG884103-3 MB								
Beryllium (Be)			<1		ug/L		1	10-DEC-08
Boron (B)			<50		ug/L		50	10-DEC-08
Batch R768476								
WG884650-1 CVS								
Sodium (Na)			122		%		63-138	11-DEC-08
WG884650-5 DUP		**WG884650-4**						
Sodium (Na)		32000	31600		ug/L	1.1	26	11-DEC-08
WG884650-3 MB								
Sodium (Na)			<500		ug/L		500	11-DEC-08
Batch R768800								
WG885265-1 CVS								
Sodium (Na)			104		%		63-138	12-DEC-08
WG885265-5 DUP		**WG885265-4**						
Sodium (Na)		<5000	<5000	RPD-NA	ug/L	N/A	26	12-DEC-08
WG885265-3 MB								
Sodium (Na)			<500		ug/L		500	12-DEC-08
PCB-WT	**Water**							
Batch R767137								
WG883367-1 CVS								
Aroclor 1242			97		%		55-145	08-DEC-08
Aroclor 1248			101		%		55-145	08-DEC-08
Aroclor 1254			98		%		55-145	08-DEC-08
Aroclor 1260			109		%		55-145	08-DEC-08
Total PCBs			101		%		55-145	08-DEC-08
WG883367-2 CVS								
Aroclor 1242			96		%		55-145	09-DEC-08
Aroclor 1248			96		%		55-145	09-DEC-08
Aroclor 1254			98		%		55-145	09-DEC-08
Aroclor 1260			104		%		55-145	09-DEC-08
Total PCBs			99		%		55-145	09-DEC-08
WG882809-2 LCS								
Aroclor 1242			92		%		50-130	08-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L715317 Report Date: 15-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-WT	**Water**							
Batch R767137								
WG882809-2 LCS								
Aroclor 1248			92		%		55-145	08-DEC-08
Aroclor 1254			103		%		50-130	08-DEC-08
Aroclor 1260			117		%		30-150	08-DEC-08
Total PCBs			101		%		55-145	08-DEC-08
WG882809-3 LCSD		**WG882809-2**						
Aroclor 1242		92	94		%	2.8	45	08-DEC-08
Aroclor 1248		92	92		%	0.0	45	08-DEC-08
Aroclor 1254		103	106		%	3.6	45	08-DEC-08
Aroclor 1260		117	122		%	4.0	45	08-DEC-08
Total PCBs		101	104		%	2.7	45	08-DEC-08
WG882809-1 MB								
Aroclor 1242			<0.02		ug/L		0.02	08-DEC-08
Aroclor 1248			<0.02		ug/L		0.02	08-DEC-08
Aroclor 1254			<0.02		ug/L		0.02	08-DEC-08
Aroclor 1260			<0.02		ug/L		0.02	08-DEC-08
Total PCBs			<0.02		ug/L		0.02	08-DEC-08
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-1 CVS								
1,1,1,2-Tetrachloroethane			82		%		75-120	08-DEC-08
1,1,1-Trichloroethane			97		%		74-124	08-DEC-08
1,1,2,2-Tetrachloroethane			93		%		62-130	08-DEC-08
1,1,2-Trichloroethane			91		%		76-119	08-DEC-08
1,1-Dichloroethane			100		%		74-126	08-DEC-08
1,1-Dichloroethylene			96		%		67-127	08-DEC-08
1,2-Dichlorobenzene			95		%		77-119	08-DEC-08
1,2-Dichloroethane			99		%		70-132	08-DEC-08
1,2-Dichloropropane			92		%		75-126	08-DEC-08
1,3-Dichlorobenzene			93		%		74-120	08-DEC-08
1,4-Dichlorobenzene			92		%		74-122	08-DEC-08
2-Hexanone			91		%		47-149	08-DEC-08
Acetone			88		%		32-175	08-DEC-08
Bromodichloromethane			89		%		71-124	08-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-1 CVS								
Bromoform			83		%		63-126	08-DEC-08
Bromomethane			91		%		45-138	08-DEC-08
Carbon Disulfide			88		%		47-133	08-DEC-08
Carbon tetrachloride			82		%		69-129	08-DEC-08
Chlorobenzene			94		%		78-120	08-DEC-08
Dibromochloromethane			89		%		69-120	08-DEC-08
Chloroethane			94		%		64-130	08-DEC-08
Chloroform			97		%		63-138	08-DEC-08
Chloromethane			101		%		43-142	08-DEC-08
cis-1,2-Dichloroethylene			89		%		77-121	08-DEC-08
cis-1,3-Dichloropropene			78		%		63-138	08-DEC-08
Dichlorodifluoromethane			84		%		60-125	08-DEC-08
1,2-Dibromoethane			99		%		75-125	08-DEC-08
Methyl Ethyl Ketone			78		%		47-155	08-DEC-08
Methyl Isobutyl Ketone			84		%		60-132	08-DEC-08
MTBE			107		%		62-128	08-DEC-08
Dichloromethane			96		%		78-121	08-DEC-08
Styrene			79		%		72-130	08-DEC-08
Tetrachloroethylene			91		%		78-130	08-DEC-08
trans-1,2-Dichloroethylene			94		%		63-138	08-DEC-08
trans-1,3-Dichloropropene			85		%		63-138	08-DEC-08
Trichloroethylene			90		%		74-124	08-DEC-08
Trichlorofluoromethane			105		%		67-133	08-DEC-08
Vinyl chloride			101		%		55-145	08-DEC-08
WG882446-4 DUP		**WG882446-3**						
1,1,1,2-Tetrachloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,1,1-Trichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,1,2,2-Tetrachloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,1,2-Trichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,1-Dichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,1-Dichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,2-Dichlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,2-Dichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-4 DUP		**WG882446-3**						
1,2-Dichloropropane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,3-Dichlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,4-Dichlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
2-Hexanone		<20	<20	RPD-NA	ug/L	N/A	20	08-DEC-08
Acetone		<20	<20	RPD-NA	ug/L	N/A	20	08-DEC-08
Bromodichloromethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Bromoform		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Bromomethane		0.6	0.5	J	ug/L	0.1	0.2	08-DEC-08
Carbon Disulfide		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Carbon tetrachloride		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Chlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Dibromochloromethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Chloroethane		<1	<1	RPD-NA	ug/L	N/A	20	08-DEC-08
Chloroform		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Chloromethane		<1	<1	RPD-NA	ug/L	N/A	20	08-DEC-08
cis-1,2-Dichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
cis-1,3-Dichloropropene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Dichlorodifluoromethane		<1	<1	RPD-NA	ug/L	N/A	20	08-DEC-08
1,2-Dibromoethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	20	08-DEC-08
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	20	08-DEC-08
MTBE		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Dichloromethane		<0.5	<0.5	RPD-NA	ug/L	N/A	31	08-DEC-08
Styrene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Tetrachloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
trans-1,2-Dichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
trans-1,3-Dichloropropene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Trichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Trichlorofluoromethane		<1	<1	RPD-NA	ug/L	N/A	20	08-DEC-08
Vinyl chloride		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
WG882446-2 MB								
1,1,1,2-Tetrachloroethane			<0.5		ug/L		0.5	08-DEC-08
1,1,1-Trichloroethane			<0.5		ug/L		0.5	08-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-2 MB								
1,1,2,2-Tetrachloroethane			<0.5		ug/L		0.5	08-DEC-08
1,1,2-Trichloroethane			<0.5		ug/L		0.5	08-DEC-08
1,1-Dichloroethane			<0.5		ug/L		0.5	08-DEC-08
1,1-Dichloroethylene			<0.5		ug/L		0.5	08-DEC-08
1,2-Dichlorobenzene			<0.5		ug/L		0.5	08-DEC-08
1,2-Dichloroethane			<0.5		ug/L		0.5	08-DEC-08
1,2-Dichloropropane			<0.5		ug/L		0.5	08-DEC-08
1,3-Dichlorobenzene			<0.5		ug/L		0.5	08-DEC-08
1,4-Dichlorobenzene			<0.5		ug/L		0.5	08-DEC-08
2-Hexanone			<20		ug/L		20	08-DEC-08
Acetone			<20		ug/L		20	08-DEC-08
Bromodichloromethane			<0.5		ug/L		0.5	08-DEC-08
Bromoform			<0.5		ug/L		0.5	08-DEC-08
Carbon Disulfide			<0.5		ug/L		0.5	08-DEC-08
Carbon tetrachloride			<0.5		ug/L		0.5	08-DEC-08
Chlorobenzene			<0.5		ug/L		0.5	08-DEC-08
Dibromochloromethane			<0.5		ug/L		0.5	08-DEC-08
Chloroethane			<1		ug/L		1	08-DEC-08
Chloroform			<0.5		ug/L		0.5	08-DEC-08
Chloromethane			<1		ug/L		1	08-DEC-08
cis-1,2-Dichloroethylene			<0.5		ug/L		0.5	08-DEC-08
cis-1,3-Dichloropropene			<0.5		ug/L		0.5	08-DEC-08
Dichlorodifluoromethane			<1		ug/L		1	08-DEC-08
1,2-Dibromoethane			<0.5		ug/L		0.5	08-DEC-08
Methyl Ethyl Ketone			<20		ug/L		20	08-DEC-08
Methyl Isobutyl Ketone			<20		ug/L		20	08-DEC-08
MTBE			<0.5		ug/L		0.5	08-DEC-08
Dichloromethane			<0.5		ug/L		0.5	08-DEC-08
Styrene			<0.5		ug/L		0.5	08-DEC-08
Tetrachloroethylene			<0.5		ug/L		0.5	08-DEC-08
trans-1,2-Dichloroethylene			<0.5		ug/L		0.5	08-DEC-08
trans-1,3-Dichloropropene			<0.5		ug/L		0.5	08-DEC-08
Trichloroethylene			<0.5		ug/L		0.5	08-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-2 MB								
Trichlorofluoromethane			<1		ug/L		1	08-DEC-08
Vinyl chloride			<0.5		ug/L		0.5	08-DEC-08
Bromomethane			1.1	A	ug/L		0.5	08-DEC-08

COMMENTS: Method blank positive; related samples have been qualified accordingly.

ALS Laboratory Group Quality Control Report

Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Certificate of Analysis

XCG CONSULTANTS LTD.

ATTN: THOMAS KOLODZIEJ

820 TRILLIUM DRIVE

KITCHENER ON N2R 1K4

Reported On: 12-DEC-08 02:30 PM

Lab Work Order #: L714725 **Date Received:** 04-DEC-08

Project P.O. #:
Job Reference: 5-698-17-02
Legal Site Desc:
CofC Numbers: 55492

Other Information:

Comments:

MARY-LYNN PIKE
Account Manager

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L714725-1 BH-1 (SS-4)								
Sampled By: LUKE T on 03-DEC-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	09-DEC-08	R767196
Arsenic (As)	2		1	mg/kg	14	17	09-DEC-08	R767196
Selenium (Se)	<1		1	mg/kg	1.4	1.9	09-DEC-08	R767196
Boron (B), Available	0.1		0.1	ug/g			05-DEC-08	R765821
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	08-DEC-08	R766645
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	05-DEC-08	R765905
Standard Metal Scan (ICP)								
Barium (Ba)	22		1	mg/kg	190	210	05-DEC-08	R765820
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	05-DEC-08	R765820
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	05-DEC-08	R765820
Chromium (Cr)	8		1	mg/kg	67	71	05-DEC-08	R765820
Cobalt (Co)	4		1	mg/kg	19	21	05-DEC-08	R765820
Copper (Cu)	10		1	mg/kg	56	85	05-DEC-08	R765820
Lead (Pb)	9		1	mg/kg	55	120	05-DEC-08	R765820
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	05-DEC-08	R765820
Nickel (Ni)	7		1	mg/kg	43	43	05-DEC-08	R765820
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	05-DEC-08	R765820
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	05-DEC-08	R765820
Vanadium (V)	10		1	mg/kg	91	91	05-DEC-08	R765820
Zinc (Zn)	60		1	mg/kg	150	160	05-DEC-08	R765820
VOC, F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			05-DEC-08	
F1-BTEX	<5		5	mg/kg			05-DEC-08	
F2 (C10-C16)	<10		10	mg/kg			05-DEC-08	
F3 (C16-C34)	<50		50	mg/kg			05-DEC-08	
F4 (C34-C50)	<50		50	mg/kg			05-DEC-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg			05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			05-DEC-08	
Prep/Analysis Dates				No Unit			04-DEC-08	R765653
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			05-DEC-08	R765825
Surr: Octacosane	79		60-120	%			05-DEC-08	R765825
Volatile Organics (153/04) Table 1								
1,1,1,2-Tetrachloroethane	<0.008		0.008	mg/kg			05-DEC-08	R766147
1,1,2,2-Tetrachloroethane	<0.004		0.004	mg/kg	0.004	0.004	05-DEC-08	R766147
1,1,1-Trichloroethane	<0.008		0.008	mg/kg	0.009	0.009	05-DEC-08	R766147
1,1,2-Trichloroethane	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,1-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,1-Dichloroethylene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,2-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,2-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,2-Dibromoethane	<0.004		0.004	mg/kg	0.004	0.004	05-DEC-08	R766147
1,2-Dichloropropane	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,3-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L714725-1 BH-1 (SS-4)								
Sampled By: LUKE T on 03-DEC-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)								
Volatile Organics (153/04) Table 1								
1,4-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
2-Hexanone	<0.2		0.2	mg/kg			05-DEC-08	R766147
Acetone	<0.5		0.5	mg/kg			05-DEC-08	R766147
Benzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Bromodichloromethane	<0.005		0.005	mg/kg			05-DEC-08	R766147
Bromoform	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Bromomethane	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Carbon Disulfide	<0.02		0.02	mg/kg			05-DEC-08	R766147
Carbon tetrachloride	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Chlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Chloroethane	<0.03		0.03	mg/kg			05-DEC-08	R766147
Chloroform	<0.006		0.006	mg/kg	0.006	0.006	05-DEC-08	R766147
Chloromethane	<0.03		0.03	mg/kg			05-DEC-08	R766147
cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg			05-DEC-08	R766147
cis-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Dibromomethane	<0.01		0.01	mg/kg			05-DEC-08	R766147
Dibromochloromethane	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Dichlorodifluoromethane	<0.03		0.03	mg/kg			05-DEC-08	R766147
Dichloromethane	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Ethyl Benzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
MTBE	<0.2		0.2	mg/kg			05-DEC-08	R766147
m+p-Xylenes	<0.002		0.002	mg/kg			05-DEC-08	R766147
Methyl Ethyl Ketone	<0.2		0.2	mg/kg			05-DEC-08	R766147
Methyl Isobutyl Ketone	<0.2		0.2	mg/kg			05-DEC-08	R766147
o-Xylene	<0.002		0.002	mg/kg			05-DEC-08	R766147
Styrene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Tetrachloroethylene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Toluene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
trans-1,2-Dichloroethylene	<0.002		0.002	mg/kg	0.003	0.003	05-DEC-08	R766147
trans-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Trichloroethylene	<0.004		0.004	mg/kg	0.004	0.004	05-DEC-08	R766147
Trichlorofluoromethane	<0.03		0.03	mg/kg			05-DEC-08	R766147
Vinyl chloride	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Xylenes (Total)	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Surr: 1,2-Dichloroethane d4	112		25-175	%			05-DEC-08	R766147
Surr: Toluene-d8	91		25-175	%			05-DEC-08	R766147
Surr: 4-Bromofluorobenzene	114		25-175	%			05-DEC-08	R766147
Individual Analytes								
% Moisture	11.9		0.5	%			04-DEC-08	R765335
pH	7.86		0.01	pH units			08-DEC-08	R766985
L714725-2 BH-12 (SS-3)								
Sampled By: LUKE T on 03-DEC-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B As, Sb and Se by ICP/MS								

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L714725-2 BH-12 (SS-3)								
Sampled By: LUKE T on 03-DEC-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B								
As, Sb and Se by ICP/MS								
Antimony (Sb)	<1		1	mg/kg	1	1	09-DEC-08	R767196
Arsenic (As)	2		1	mg/kg	14	17	09-DEC-08	R767196
Selenium (Se)	<1		1	mg/kg	1.4	1.9	09-DEC-08	R767196
Boron (B), Available	<0.1		0.1	ug/g			05-DEC-08	R765821
Chromium, Hexavalent	<2		2	mg/kg	2.5	2.5	08-DEC-08	R766645
Mercury (Hg)	<0.05		0.05	ug/g	0.16	0.23	05-DEC-08	R765905
Standard Metal Scan (ICP)								
Barium (Ba)	22		1	mg/kg	190	210	05-DEC-08	R765820
Beryllium (Be)	<0.5		0.5	mg/kg	1.2	1.2	05-DEC-08	R765820
Cadmium (Cd)	<0.5		0.5	mg/kg	1.0	1.0	05-DEC-08	R765820
Chromium (Cr)	8		1	mg/kg	67	71	05-DEC-08	R765820
Cobalt (Co)	4		1	mg/kg	19	21	05-DEC-08	R765820
Copper (Cu)	9		1	mg/kg	56	85	05-DEC-08	R765820
Lead (Pb)	10		1	mg/kg	55	120	05-DEC-08	R765820
Molybdenum (Mo)	<1		1	mg/kg	2.5	2.5	05-DEC-08	R765820
Nickel (Ni)	6		1	mg/kg	43	43	05-DEC-08	R765820
Silver (Ag)	<0.2		0.2	mg/kg	0.35	0.42	05-DEC-08	R765820
Thallium (Tl)	<1		1	mg/kg	2.5	2.5	05-DEC-08	R765820
Vanadium (V)	11		1	mg/kg	91	91	05-DEC-08	R765820
Zinc (Zn)	62		1	mg/kg	150	160	05-DEC-08	R765820
VOC, F1-F4 (O.Reg.153/04)								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg			05-DEC-08	
F1-BTEX	<5		5	mg/kg			05-DEC-08	
F2 (C10-C16)	<10		10	mg/kg			05-DEC-08	
F3 (C16-C34)	<50		50	mg/kg			05-DEC-08	
F4 (C34-C50)	<50		50	mg/kg			05-DEC-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg			05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			05-DEC-08	
Prep/Analysis Dates				No Unit			04-DEC-08	R765653
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			05-DEC-08	R765825
Surr: Octacosane	68		60-120	%			05-DEC-08	R765825
Volatile Organics (153/04) Table 1								
1,1,1,2-Tetrachloroethane	<0.008		0.008	mg/kg			05-DEC-08	R766147
1,1,2,2-Tetrachloroethane	<0.004		0.004	mg/kg	0.004	0.004	05-DEC-08	R766147
1,1,1-Trichloroethane	<0.008		0.008	mg/kg	0.009	0.009	05-DEC-08	R766147
1,1,2-Trichloroethane	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,1-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,1-Dichloroethylene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,2-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,2-Dichloroethane	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,2-Dibromoethane	<0.004		0.004	mg/kg	0.004	0.004	05-DEC-08	R766147
1,2-Dichloropropane	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
1,3-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits		Analyzed	Batch
L714725-2 BH-12 (SS-3)								
Sampled By: LUKE T on 03-DEC-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)								
Volatile Organics (153/04) Table 1								
1,4-Dichlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
2-Hexanone	<0.2		0.2	mg/kg			05-DEC-08	R766147
Acetone	<0.5		0.5	mg/kg			05-DEC-08	R766147
Benzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Bromodichloromethane	<0.005		0.005	mg/kg			05-DEC-08	R766147
Bromoform	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Bromomethane	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Carbon Disulfide	<0.02		0.02	mg/kg			05-DEC-08	R766147
Carbon tetrachloride	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Chlorobenzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Chloroethane	<0.03		0.03	mg/kg			05-DEC-08	R766147
Chloroform	<0.006		0.006	mg/kg	0.006	0.006	05-DEC-08	R766147
Chloromethane	<0.03		0.03	mg/kg			05-DEC-08	R766147
cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg			05-DEC-08	R766147
cis-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Dibromomethane	<0.01		0.01	mg/kg			05-DEC-08	R766147
Dibromochloromethane	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Dichlorodifluoromethane	<0.03		0.03	mg/kg			05-DEC-08	R766147
Dichloromethane	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Ethyl Benzene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
MTBE	<0.2		0.2	mg/kg			05-DEC-08	R766147
m+p-Xylenes	<0.002		0.002	mg/kg			05-DEC-08	R766147
Methyl Ethyl Ketone	<0.2		0.2	mg/kg			05-DEC-08	R766147
Methyl Isobutyl Ketone	<0.2		0.2	mg/kg			05-DEC-08	R766147
o-Xylene	<0.002		0.002	mg/kg			05-DEC-08	R766147
Styrene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Tetrachloroethylene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Toluene	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
trans-1,2-Dichloroethylene	<0.002		0.002	mg/kg	0.003	0.003	05-DEC-08	R766147
trans-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Trichloroethylene	<0.004		0.004	mg/kg	0.004	0.004	05-DEC-08	R766147
Trichlorofluoromethane	<0.03		0.03	mg/kg			05-DEC-08	R766147
Vinyl chloride	<0.003		0.003	mg/kg	0.003	0.003	05-DEC-08	R766147
Xylenes (Total)	<0.002		0.002	mg/kg	0.002	0.002	05-DEC-08	R766147
Surr: 1,2-Dichloroethane d4	106		25-175	%			05-DEC-08	R766147
Surr: Toluene-d8	94		25-175	%			05-DEC-08	R766147
Surr: 4-Bromofluorobenzene	118		25-175	%			05-DEC-08	R766147
Individual Analytes								
% Moisture	10.1		0.5	%			04-DEC-08	R765335
pH	7.85		0.01	pH units			08-DEC-08	R766985
L714725-3 BH-19 (SS-2)								
Sampled By: LUKE T on 03-DEC-08								
Matrix: SOIL					AGRICULTURAL OR OTHER	ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B As, Sb and Se by ICP/MS								

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits				Analyzed	Batch
L714725-3 BH-19 (SS-2)										
Sampled By: LUKE T on 03-DEC-08										
Matrix: SOIL						AGRICULTURAL OR OTHER		ALL OTHER		
Regulation 153 Metals, Hg, Cr6+, Avail B										
As, Sb and Se by ICP/MS										
Antimony (Sb)	<1		1	mg/kg		1		1	09-DEC-08	R767196
Arsenic (As)	7		1	mg/kg		14		17	09-DEC-08	R767196
Selenium (Se)	<1		1	mg/kg		1.4		1.9	09-DEC-08	R767196
Boron (B), Available	0.2		0.1	ug/g					05-DEC-08	R765821
Chromium, Hexavalent	<2		2	mg/kg		2.5		2.5	08-DEC-08	R766645
Mercury (Hg)	0.21		0.05	ug/g	**	0.16		0.23	05-DEC-08	R765905
Standard Metal Scan (ICP)										
Barium (Ba)	52		1	mg/kg		190		210	05-DEC-08	R765820
Beryllium (Be)	<0.5		0.5	mg/kg		1.2		1.2	05-DEC-08	R765820
Cadmium (Cd)	<0.5		0.5	mg/kg		1.0		1.0	05-DEC-08	R765820
Chromium (Cr)	13		1	mg/kg		67		71	05-DEC-08	R765820
Cobalt (Co)	6		1	mg/kg		19		21	05-DEC-08	R765820
Copper (Cu)	35		1	mg/kg		56		85	05-DEC-08	R765820
Lead (Pb)	138		1	mg/kg	**	55	**	120	05-DEC-08	R765820
Molybdenum (Mo)	<1		1	mg/kg		2.5		2.5	05-DEC-08	R765820
Nickel (Ni)	12		1	mg/kg		43		43	05-DEC-08	R765820
Silver (Ag)	<0.2		0.2	mg/kg		0.35		0.42	05-DEC-08	R765820
Thallium (Tl)	<1		1	mg/kg		2.5		2.5	05-DEC-08	R765820
Vanadium (V)	19		1	mg/kg		91		91	05-DEC-08	R765820
Zinc (Zn)	176		1	mg/kg	**	150	**	160	05-DEC-08	R765820
VOC, F1-F4 (O.Reg.153/04)										
CCME Total Hydrocarbons										
F1 (C6-C10)	<5		5	mg/kg					05-DEC-08	
F1-BTEX	<5		5	mg/kg					05-DEC-08	
F2 (C10-C16)	<10		10	mg/kg					05-DEC-08	
F3 (C16-C34)	<50		50	mg/kg					05-DEC-08	
F4 (C34-C50)	<50		50	mg/kg					05-DEC-08	
Total Hydrocarbons (C6-C50)	<50		50	mg/kg					05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit					05-DEC-08	
Prep/Analysis Dates				No Unit					04-DEC-08	R765653
F2-F4 (O.Reg.153/04)										
Prep/Analysis Dates				No Unit					05-DEC-08	R765825
Surr: Octacosane	77		60-120	%					05-DEC-08	R765825
Volatile Organics (153/04) Table 1										
1,1,1,2-Tetrachloroethane	<0.008		0.008	mg/kg					05-DEC-08	R766147
1,1,2,2-Tetrachloroethane	<0.004		0.004	mg/kg		0.004		0.004	05-DEC-08	R766147
1,1,1-Trichloroethane	<0.008		0.008	mg/kg		0.009		0.009	05-DEC-08	R766147
1,1,2-Trichloroethane	<0.002		0.002	mg/kg		0.002		0.002	05-DEC-08	R766147
1,1-Dichloroethane	<0.002		0.002	mg/kg		0.002		0.002	05-DEC-08	R766147
1,1-Dichloroethylene	<0.002		0.002	mg/kg		0.002		0.002	05-DEC-08	R766147
1,2-Dichlorobenzene	<0.002		0.002	mg/kg		0.002		0.002	05-DEC-08	R766147
1,2-Dichloroethane	<0.002		0.002	mg/kg		0.002		0.002	05-DEC-08	R766147
1,2-Dibromoethane	<0.004		0.004	mg/kg		0.004		0.004	05-DEC-08	R766147
1,2-Dichloropropane	<0.002		0.002	mg/kg		0.002		0.002	05-DEC-08	R766147
1,3-Dichlorobenzene	<0.002		0.002	mg/kg		0.002		0.002	05-DEC-08	R766147

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714725-3 BH-19 (SS-2)							
Sampled By: LUKE T on 03-DEC-08							
Matrix: SOIL					AGRICULTURAL OR OTHER / ALL OTHER		
VOC, F1-F4 (O.Reg.153/04)							
Volatile Organics (153/04) Table 1							
1,4-Dichlorobenzene	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
2-Hexanone	<0.2		0.2	mg/kg		05-DEC-08	R766147
Acetone	<0.5		0.5	mg/kg		05-DEC-08	R766147
Benzene	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
Bromodichloromethane	<0.005		0.005	mg/kg		05-DEC-08	R766147
Bromoform	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
Bromomethane	<0.003		0.003	mg/kg	0.003 / 0.003	05-DEC-08	R766147
Carbon Disulfide	<0.02		0.02	mg/kg		05-DEC-08	R766147
Carbon tetrachloride	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
Chlorobenzene	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
Chloroethane	<0.03		0.03	mg/kg		05-DEC-08	R766147
Chloroform	<0.006		0.006	mg/kg	0.006 / 0.006	05-DEC-08	R766147
Chloromethane	<0.03		0.03	mg/kg		05-DEC-08	R766147
cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg		05-DEC-08	R766147
cis-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003 / 0.003	05-DEC-08	R766147
Dibromomethane	<0.01		0.01	mg/kg		05-DEC-08	R766147
Dibromochloromethane	<0.003		0.003	mg/kg	0.003 / 0.003	05-DEC-08	R766147
Dichlorodifluoromethane	<0.03		0.03	mg/kg		05-DEC-08	R766147
Dichloromethane	<0.004		0.004	mg/kg	** 0.003 / ** 0.003	05-DEC-08	R766147
Ethyl Benzene	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
MTBE	<0.2		0.2	mg/kg		05-DEC-08	R766147
m+p-Xylenes	<0.002		0.002	mg/kg		05-DEC-08	R766147
Methyl Ethyl Ketone	<0.2		0.2	mg/kg		05-DEC-08	R766147
Methyl Isobutyl Ketone	<0.2		0.2	mg/kg		05-DEC-08	R766147
o-Xylene	<0.002		0.002	mg/kg		05-DEC-08	R766147
Styrene	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
Tetrachloroethylene	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
Toluene	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
trans-1,2-Dichloroethylene	<0.002		0.002	mg/kg	0.003 / 0.003	05-DEC-08	R766147
trans-1,3-Dichloropropene	<0.003		0.003	mg/kg	0.003 / 0.003	05-DEC-08	R766147
Trichloroethylene	0.004		0.004	mg/kg	** 0.004 / ** 0.004	05-DEC-08	R766147
Trichlorofluoromethane	<0.03		0.03	mg/kg		05-DEC-08	R766147
Vinyl chloride	<0.003		0.003	mg/kg	0.003 / 0.003	05-DEC-08	R766147
Xylenes (Total)	<0.002		0.002	mg/kg	0.002 / 0.002	05-DEC-08	R766147
Surr: 1,2-Dichloroethane d4	98		25-175	%		05-DEC-08	R766147
Surr: Toluene-d8	93		25-175	%		05-DEC-08	R766147
Surr: 4-Bromofluorobenzene	118		25-175	%		05-DEC-08	R766147
Individual Analytes							
% Moisture	15.4		0.5	%		04-DEC-08	R765335
L714725-6 MW-1							
Sampled By: LUKE T on 03-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)							
BTEX (O.Reg.153/04)							
Benzene	<0.5		0.5	ug/L	5	05-DEC-08	R765687

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units		Criteria Specific Limits	Analyzed	Batch
L714725-6 MW-1								
Sampled By: LUKE T on 03-DEC-08								
Matrix: WATER						GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)								
BTEX (O.Reg.153/04)								
Ethyl Benzene	<0.5		0.5	ug/L		2.4	05-DEC-08	R765687
m+p-Xylenes	<1		1	ug/L			05-DEC-08	R765687
o-Xylene	<0.5		0.5	ug/L			05-DEC-08	R765687
Toluene	1.0		0.5	ug/L	**	0.8	05-DEC-08	R765687
Xylene, (total)	<1.5		1.5	ug/L		72	05-DEC-08	R765687
Surr: 2,5-Dibromotoluene	107		25-175	%			05-DEC-08	R765687
CCME Total Hydrocarbons								
F1 (C6-C10)	<100		100	ug/L			10-DEC-08	
F1-BTEX	<100		100	ug/L			10-DEC-08	
F2 (C10-C16)	<100		100	ug/L			10-DEC-08	
F2-Naphth	<100		100	ug/L			10-DEC-08	
F3 (C16-C34)	340		250	ug/L			10-DEC-08	
F3-PAH	340		250	ug/L			10-DEC-08	
F4 (C34-C50)	500		250	ug/L			10-DEC-08	
Total Hydrocarbons (C6-C50)	840		250	ug/L			10-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			10-DEC-08	
Analysis Date				No Unit			04-DEC-08	R765719
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			05-DEC-08	R765850
Surr: Octacosane	75		49-120	%			05-DEC-08	R765850
TABLE 1 COMPLETE METALS								
Standard Metal Scan								
Antimony (Sb)	<5		5	ug/L		6	11-DEC-08	R768311
Arsenic (As)	<1		1	ug/L		25	11-DEC-08	R768311
Barium (Ba)	270		10	ug/L			11-DEC-08	R768311
Beryllium (Be)	<1		1	ug/L		4	12-DEC-08	R768731
Boron (B)	80		50	ug/L		200	11-DEC-08	R768311
Cadmium (Cd)	0.1		0.1	ug/L		0.5	11-DEC-08	R768311
Chromium (Cr)	4		1	ug/L		8.9	11-DEC-08	R768311
Cobalt (Co)	2.0		0.5	ug/L	**	0.9	11-DEC-08	R768311
Copper (Cu)	4		1	ug/L	**	2.5	11-DEC-08	R768311
Lead (Pb)	<1		1	ug/L		1	11-DEC-08	R768311
Molybdenum (Mo)	5		1	ug/L		40	11-DEC-08	R768311
Nickel (Ni)	9		2	ug/L		25	11-DEC-08	R768311
Selenium (Se)	<5		5	ug/L		5	11-DEC-08	R768311
Silver (Ag)	<0.1		0.1	ug/L		0.25	11-DEC-08	R768311
Sodium (Na)	290000	DLM	50000	ug/L			12-DEC-08	R768731
Thallium (Tl)	<0.3		0.3	ug/L		0.5	11-DEC-08	R768311
Vanadium (V)	1		1	ug/L		6	11-DEC-08	R768311
Zinc (Zn)	5		3	ug/L		20	11-DEC-08	R768311
Individual Analytes								
CCME PAHs								
1-Methylnaphthalene	0.10		0.02	ug/L		2.5	10-DEC-08	R767652
2-Methylnaphthalene	0.12		0.02	ug/L		2.5	10-DEC-08	R767652
Acenaphthene	<0.02		0.02	ug/L		1	10-DEC-08	R767652
Acenaphthylene	<0.06	DLM	0.06	ug/L		1	10-DEC-08	R767652

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714725-6 MW-1							
Sampled By: LUKE T on 03-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
Individual Analytes							
CCME PAHs							
Acridine	<4		4	ug/L		10-DEC-08	R767652
Anthracene	0.10		0.02	ug/L	** 0.05	10-DEC-08	R767652
Benzo(a)anthracene	0.48		0.02	ug/L	** 0.10	10-DEC-08	R767652
Benzo(a)pyrene	0.522		0.005	ug/L	** 0.005	10-DEC-08	R767652
Benzo(b)fluoranthene	0.72		0.02	ug/L	** 0.05	10-DEC-08	R767652
Benzo(g,h,i)perylene	0.46		0.02	ug/L	** 0.1	10-DEC-08	R767652
Benzo(k)fluoranthene	0.33		0.02	ug/L	** 0.05	10-DEC-08	R767652
Chrysene	0.50		0.02	ug/L	** 0.05	10-DEC-08	R767652
Dibenzo(ah)anthracene	0.05		0.02	ug/L	0.1	10-DEC-08	R767652
Fluoranthene	0.77		0.02	ug/L	1	10-DEC-08	R767652
Fluorene	0.10		0.02	ug/L	1	10-DEC-08	R767652
Indeno(1,2,3-cd)pyrene	0.48		0.02	ug/L	** 0.1	10-DEC-08	R767652
Naphthalene	0.12		0.02	ug/L	7	10-DEC-08	R767652
Phenanthrene	0.48		0.02	ug/L	1	10-DEC-08	R767652
Pyrene	0.79		0.02	ug/L	** 0.05	10-DEC-08	R767652
Quinoline	<0.03	DLM	0.03	ug/L		10-DEC-08	R767652
Surr: 2-Fluorobiphenyl	67		29-139	%		10-DEC-08	R767652
Surr: d14-Terphenyl	92		50-150	%		10-DEC-08	R767652
L714725-7 6							
Sampled By: LUKE T on 03-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)							
BTEX (O.Reg.153/04)							
Benzene	<0.5		0.5	ug/L	5	05-DEC-08	R765687
Ethyl Benzene	<0.5		0.5	ug/L	2.4	05-DEC-08	R765687
m+p-Xylenes	<1		1	ug/L		05-DEC-08	R765687
o-Xylene	<0.5		0.5	ug/L		05-DEC-08	R765687
Toluene	<0.5		0.5	ug/L	0.8	05-DEC-08	R765687
Xylene, (total)	<1.5		1.5	ug/L	72	05-DEC-08	R765687
Surr: 2,5-Dibromotoluene	110		25-175	%		05-DEC-08	R765687
CCME Total Hydrocarbons							
F1 (C6-C10)	<100		100	ug/L		05-DEC-08	
F1-BTEX	<100		100	ug/L		05-DEC-08	
F2 (C10-C16)	<100		100	ug/L		05-DEC-08	
F3 (C16-C34)	<250		250	ug/L		05-DEC-08	
F4 (C34-C50)	<250		250	ug/L		05-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L		05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit		05-DEC-08	
Analysis Date				No Unit		04-DEC-08	R765719
F2-F4 (O.Reg.153/04)							
Prep/Analysis Dates				No Unit		05-DEC-08	R765850
Surr: Octacosane	84		49-120	%		05-DEC-08	R765850

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units		Criteria Specific Limits	Analyzed	Batch
L714725-8 BH-5								
Sampled By: LUKE T on 03-DEC-08								
Matrix: WATER						GROUNDWATER, ALL PROPERTIES		
TABLE 1 COMPLETE METALS								
Standard Metal Scan								
Antimony (Sb)	<5		5	ug/L		6	08-DEC-08	R766845
Arsenic (As)	<1		1	ug/L		25	08-DEC-08	R766845
Barium (Ba)	140		10	ug/L			08-DEC-08	R766845
Beryllium (Be)	<1		1	ug/L		4	10-DEC-08	R767654
Boron (B)	100		50	ug/L		200	08-DEC-08	R766845
Cadmium (Cd)	4.3		0.1	ug/L	**	0.5	08-DEC-08	R766845
Chromium (Cr)	5		1	ug/L		8.9	08-DEC-08	R766845
Cobalt (Co)	<0.5		0.5	ug/L		0.9	08-DEC-08	R766845
Copper (Cu)	3		1	ug/L	**	2.5	08-DEC-08	R766845
Lead (Pb)	<1		1	ug/L		1	08-DEC-08	R766845
Molybdenum (Mo)	2		1	ug/L		40	08-DEC-08	R766845
Nickel (Ni)	6		2	ug/L		25	08-DEC-08	R766845
Selenium (Se)	<5		5	ug/L		5	08-DEC-08	R766845
Silver (Ag)	<0.1		0.1	ug/L		0.25	08-DEC-08	R766845
Sodium (Na)	1100000	DLM	50000	ug/L			10-DEC-08	R767654
Thallium (Tl)	<0.3		0.3	ug/L		0.5	08-DEC-08	R766845
Vanadium (V)	<1		1	ug/L		6	08-DEC-08	R766845
Zinc (Zn)	3		3	ug/L		20	08-DEC-08	R766845
VOC, F1-F4 (O.Reg.153/04)								
BTEX (O.Reg.153/04)								
Benzene	<0.5		0.5	ug/L		5	05-DEC-08	R765687
Ethyl Benzene	<0.5		0.5	ug/L		2.4	05-DEC-08	R765687
m+p-Xylenes	<1		1	ug/L			05-DEC-08	R765687
o-Xylene	<0.5		0.5	ug/L			05-DEC-08	R765687
Toluene	<0.5		0.5	ug/L		0.8	05-DEC-08	R765687
Xylene, (total)	<1.5		1.5	ug/L		72	05-DEC-08	R765687
Surr: 2,5-Dibromotoluene	109		25-175	%			05-DEC-08	R765687
CCME Total Hydrocarbons								
F1 (C6-C10)	<100		100	ug/L			05-DEC-08	
F1-BTEX	<100		100	ug/L			05-DEC-08	
F2 (C10-C16)	<100		100	ug/L			05-DEC-08	
F2-Naphth	<100		100	ug/L			05-DEC-08	
F3 (C16-C34)	<250		250	ug/L			05-DEC-08	
F3-PAH	<250		250	ug/L			05-DEC-08	
F4 (C34-C50)	<250		250	ug/L			05-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L			05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			05-DEC-08	
Analysis Date				No Unit			04-DEC-08	R765719
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			05-DEC-08	R765850
Surr: Octacosane	80		49-120	%			05-DEC-08	R765850
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	<0.5		0.5	ug/L		5	08-DEC-08	R766722
1,1,2,2-Tetrachloroethane	<0.5		0.5	ug/L		1	08-DEC-08	R766722
1,1,1-Trichloroethane	<0.5		0.5	ug/L		10	08-DEC-08	R766722
1,1,2-Trichloroethane	<0.5		0.5	ug/L		5	08-DEC-08	R766722

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714725-8 BH-5							
Sampled By: LUKE T on 03-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
VOC, F1-F4 (O.Reg.153/04)							
Volatile Organic Compounds							
1,2-Dibromoethane	<0.5		0.5	ug/L	1	08-DEC-08	R766722
1,1-Dichloroethane	<0.5		0.5	ug/L	70	08-DEC-08	R766722
1,1-Dichloroethylene	<0.5		0.5	ug/L	0.66	08-DEC-08	R766722
1,2-Dichlorobenzene	<0.5		0.5	ug/L	2.5	08-DEC-08	R766722
1,2-Dichloroethane	<0.5		0.5	ug/L	5	08-DEC-08	R766722
1,2-Dichloropropane	<0.5		0.5	ug/L	0.7	08-DEC-08	R766722
1,3-Dichlorobenzene	<0.5		0.5	ug/L	2.5	08-DEC-08	R766722
1,4-Dichlorobenzene	<0.5		0.5	ug/L	1	08-DEC-08	R766722
2-Hexanone	<20		20	ug/L		08-DEC-08	R766722
Acetone	<20		20	ug/L		08-DEC-08	R766722
Bromodichloromethane	<0.5		0.5	ug/L	5	08-DEC-08	R766722
Bromoform	<0.5		0.5	ug/L	5	08-DEC-08	R766722
Bromomethane	<0.5		0.5	ug/L	0.9	08-DEC-08	R766722
Carbon Disulfide	<0.5		0.5	ug/L		08-DEC-08	R766722
Carbon tetrachloride	<0.5		0.5	ug/L	0.5	08-DEC-08	R766722
Chlorobenzene	<0.5		0.5	ug/L	15	08-DEC-08	R766722
Chloroethane	<1		1	ug/L		08-DEC-08	R766722
Chloroform	<0.5		0.5	ug/L	0.5	08-DEC-08	R766722
Chloromethane	<1		1	ug/L		08-DEC-08	R766722
cis-1,2-Dichloroethylene	<0.5		0.5	ug/L	70	08-DEC-08	R766722
cis-1,3-Dichloropropene	<0.5		0.5	ug/L	1.4	08-DEC-08	R766722
Dibromochloromethane	<0.5		0.5	ug/L	0.5	08-DEC-08	R766722
Dichlorodifluoromethane	<1		1	ug/L		08-DEC-08	R766722
Dichloromethane	<0.5		0.5	ug/L	50	08-DEC-08	R766722
Methyl Ethyl Ketone	<20		20	ug/L	350	08-DEC-08	R766722
Methyl Isobutyl Ketone	<20		20	ug/L		08-DEC-08	R766722
MTBE	<0.5		0.5	ug/L	200	08-DEC-08	R766722
Styrene	<0.5		0.5	ug/L	4	08-DEC-08	R766722
Tetrachloroethylene	<0.5		0.5	ug/L	5	08-DEC-08	R766722
trans-1,2-Dichloroethylene	<0.5		0.5	ug/L	100	08-DEC-08	R766722
trans-1,3-Dichloropropene	<0.5		0.5	ug/L	1.4	08-DEC-08	R766722
Trichloroethylene	<0.5		0.5	ug/L	20	08-DEC-08	R766722
Trichlorofluoromethane	<1		1	ug/L		08-DEC-08	R766722
Trihalomethanes (total)	<2		2	ug/L		08-DEC-08	R766722
Vinyl chloride	<0.5		0.5	ug/L	0.5	08-DEC-08	R766722
Surr: 1,2-Dichloroethane d4	103		50-150	%		08-DEC-08	R766722
Surr: Toluene-d8	99		70-130	%		08-DEC-08	R766722
Surr: 4-Bromofluorobenzene	99		50-150	%		08-DEC-08	R766722
Individual Analytes							
CCME PAHs							
1-Methylnaphthalene	<0.02		0.02	ug/L	2.5	05-DEC-08	R765675
2-Methylnaphthalene	<0.02		0.02	ug/L	2.5	05-DEC-08	R765675
Acenaphthene	<0.02		0.02	ug/L	1	05-DEC-08	R765675
Acenaphthylene	<0.02		0.02	ug/L	1	05-DEC-08	R765675
Acridine	<4		4	ug/L		05-DEC-08	R765675
Anthracene	<0.02		0.02	ug/L	0.05	05-DEC-08	R765675
Benzo(a)anthracene	<0.02		0.02	ug/L	0.10	05-DEC-08	R765675
Benzo(a)pyrene	<0.005		0.005	ug/L	0.005	05-DEC-08	R765675

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L714725-8 BH-5							
Sampled By: LUKE T on 03-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
Individual Analytes							
CCME PAHs							
Benzo(b)fluoranthene	<0.02		0.02	ug/L	0.05	05-DEC-08	R765675
Benzo(g,h,i)perylene	<0.02		0.02	ug/L	0.1	05-DEC-08	R765675
Benzo(k)fluoranthene	<0.02		0.02	ug/L	0.05	05-DEC-08	R765675
Chrysene	<0.02		0.02	ug/L	0.05	05-DEC-08	R765675
Dibenzo(ah)anthracene	<0.02		0.02	ug/L	0.1	05-DEC-08	R765675
Fluoranthene	<0.02		0.02	ug/L	1	05-DEC-08	R765675
Fluorene	<0.02		0.02	ug/L	1	05-DEC-08	R765675
Indeno(1,2,3-cd)pyrene	<0.02		0.02	ug/L	0.1	05-DEC-08	R765675
Naphthalene	<0.02		0.02	ug/L	7	05-DEC-08	R765675
Phenanthrene	<0.02		0.02	ug/L	1	05-DEC-08	R765675
Pyrene	<0.02		0.02	ug/L	0.05	05-DEC-08	R765675
Quinoline	<0.02		0.02	ug/L		05-DEC-08	R765675
Surr: 2-Fluorobiphenyl	80		29-139	%		05-DEC-08	R765675
Surr: d14-Terphenyl	93		50-150	%		05-DEC-08	R765675
L714725-9 MW5S							
Sampled By: LUKE T on 03-DEC-08							
Matrix: WATER					GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)							
BTEX (O.Reg.153/04)							
Benzene	<0.5		0.5	ug/L	5	05-DEC-08	R765687
Ethyl Benzene	0.6		0.5	ug/L	2.4	05-DEC-08	R765687
m+p-Xylenes	2		1	ug/L		05-DEC-08	R765687
o-Xylene	0.9		0.5	ug/L		05-DEC-08	R765687
Toluene	2.2		0.5	ug/L	** 0.8	05-DEC-08	R765687
Xylene, (total)	2.9		1.5	ug/L	72	05-DEC-08	R765687
Surr: 2,5-Dibromotoluene	125		25-175	%		05-DEC-08	R765687
CCME Total Hydrocarbons							
F1 (C6-C10)	<100		100	ug/L		05-DEC-08	
F1-BTEX	<100		100	ug/L		05-DEC-08	
F2 (C10-C16)	<100		100	ug/L		05-DEC-08	
F3 (C16-C34)	<250		250	ug/L		05-DEC-08	
F4 (C34-C50)	<250		250	ug/L		05-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L		05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit		05-DEC-08	
Analysis Date				No Unit		04-DEC-08	R765719
F2-F4 (O.Reg.153/04)							
Prep/Analysis Dates				No Unit		05-DEC-08	R765850
Surr: Octacosane	80		49-120	%		05-DEC-08	R765850
TABLE 1 COMPLETE METALS							
Standard Metal Scan							
Antimony (Sb)	<5		5	ug/L	6	08-DEC-08	R766845
Arsenic (As)	<1		1	ug/L	25	08-DEC-08	R766845
Barium (Ba)	1440		10	ug/L		08-DEC-08	R766845
Beryllium (Be)	<1		1	ug/L	4	10-DEC-08	R767654

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units		Criteria Specific Limits	Analyzed	Batch
L714725-9 MW5S								
Sampled By: LUKE T on 03-DEC-08								
Matrix: WATER						GROUNDWATER, ALL PROPERTIES		
TABLE 1 COMPLETE METALS								
Standard Metal Scan								
Boron (B)	100		50	ug/L		200	08-DEC-08	R766845
Cadmium (Cd)	0.8		0.1	ug/L	**	0.5	08-DEC-08	R766845
Chromium (Cr)	5		1	ug/L		8.9	08-DEC-08	R766845
Cobalt (Co)	4.4		0.5	ug/L	**	0.9	08-DEC-08	R766845
Copper (Cu)	6		1	ug/L	**	2.5	08-DEC-08	R766845
Lead (Pb)	<1		1	ug/L		1	08-DEC-08	R766845
Molybdenum (Mo)	4		1	ug/L		40	08-DEC-08	R766845
Nickel (Ni)	20		2	ug/L		25	08-DEC-08	R766845
Selenium (Se)	<5		5	ug/L		5	08-DEC-08	R766845
Silver (Ag)	<0.1		0.1	ug/L		0.25	08-DEC-08	R766845
Sodium (Na)	3600000	DLM	500000	ug/L			11-DEC-08	R768311
Thallium (Tl)	<0.3		0.3	ug/L		0.5	08-DEC-08	R766845
Vanadium (V)	<1		1	ug/L		6	08-DEC-08	R766845
Zinc (Zn)	64		3	ug/L	**	20	08-DEC-08	R766845
L714725-10 MW5D								
Sampled By: LUKE T on 03-DEC-08								
Matrix: WATER						GROUNDWATER, ALL PROPERTIES		
BTEX, F1-F4 (O.Reg.153/04)								
BTEX (O.Reg.153/04)								
Benzene	<0.5		0.5	ug/L		5	05-DEC-08	R765687
Ethyl Benzene	0.6		0.5	ug/L		2.4	05-DEC-08	R765687
m+p-Xylenes	2		1	ug/L			05-DEC-08	R765687
o-Xylene	1.3		0.5	ug/L			05-DEC-08	R765687
Toluene	2.6		0.5	ug/L	**	0.8	05-DEC-08	R765687
Xylene, (total)	3.3		1.5	ug/L		72	05-DEC-08	R765687
Surr: 2,5-Dibromotoluene	119		25-175	%			05-DEC-08	R765687
CCME Total Hydrocarbons								
F1 (C6-C10)	<100		100	ug/L			05-DEC-08	
F1-BTEX	<100		100	ug/L			05-DEC-08	
F2 (C10-C16)	<100		100	ug/L			05-DEC-08	
F3 (C16-C34)	<250		250	ug/L			05-DEC-08	
F4 (C34-C50)	<250		250	ug/L			05-DEC-08	
Total Hydrocarbons (C6-C50)	<250		250	ug/L			05-DEC-08	
Chromatogram to baseline at nC50	YES			No Unit			05-DEC-08	
Analysis Date				No Unit			04-DEC-08	R765719
F2-F4 (O.Reg.153/04)								
Prep/Analysis Dates				No Unit			05-DEC-08	R765850
Surr: Octacosane	83		49-120	%			05-DEC-08	R765850
TABLE 1 COMPLETE METALS								
Standard Metal Scan								
Antimony (Sb)	<5		5	ug/L		6	08-DEC-08	R766845
Arsenic (As)	1		1	ug/L		25	08-DEC-08	R766845
Barium (Ba)	480		10	ug/L			08-DEC-08	R766845
Beryllium (Be)	<1		1	ug/L		4	10-DEC-08	R767654

** analytical results for this parameter exceed criteria limits listed on this report

ALS LABORATORY GROUP CRITERIA REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units		Criteria Specific Limits	Analyzed	Batch
L714725-10 MW5D								
Sampled By: LUKE T on 03-DEC-08								
Matrix: WATER						GROUNDWATER, ALL PROPERTIES		
TABLE 1 COMPLETE METALS								
Standard Metal Scan								
Boron (B)	150		50	ug/L		200	08-DEC-08	R766845
Cadmium (Cd)	<0.1		0.1	ug/L		0.5	08-DEC-08	R766845
Chromium (Cr)	4		1	ug/L		8.9	08-DEC-08	R766845
Cobalt (Co)	1.8		0.5	ug/L	**	0.9	08-DEC-08	R766845
Copper (Cu)	3		1	ug/L	**	2.5	08-DEC-08	R766845
Lead (Pb)	<1		1	ug/L		1	08-DEC-08	R766845
Molybdenum (Mo)	19		1	ug/L		40	08-DEC-08	R766845
Nickel (Ni)	10		2	ug/L		25	08-DEC-08	R766845
Selenium (Se)	6		5	ug/L	**	5	08-DEC-08	R766845
Silver (Ag)	<0.1		0.1	ug/L		0.25	08-DEC-08	R766845
Sodium (Na)	2600000	DLM	500000	ug/L			11-DEC-08	R768311
Thallium (Tl)	<0.3		0.3	ug/L		0.5	08-DEC-08	R766845
Vanadium (V)	<1		1	ug/L		6	08-DEC-08	R766845
Zinc (Zn)	3		3	ug/L		20	08-DEC-08	R766845

** analytical results for this parameter exceed criteria limits listed on this report

Sample Parameter Qualifier key listed:

Qualifier	Description
DLM	Detection Limit Adjustment For Sample Matrix Effects
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
AS,SB,SE-3050-MS-WT	Soil	As, Sb and Se by ICP/MS		SW846 3050B/6020A
B-AVAIL-WT	Soil	Boron (B), Available		HW EXTR, EPA 6010B
BTX-R153-WT	Water	BTEX (O.Reg.153/04)		MOE DECPH-E3421/CCME Tier 1
CR-CR6-WT	Soil	Hexavalent Chromium in Soil		EPA 7196
ETL-TVH,TEH-CCME-WT	Water	CCME Total Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

ETL-TVH,TEH-CCME-WT	Soil	CCME Total Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-WT	Water	F1 (O.Reg.153/04)		MOE DECPH-E3421/CCME Tier 1
F1-WT	Soil	F1 (O.Reg.153/04)		MOE DECPH-E3398/CCME Tier 1
F2-F4-WT	Water	F2-F4 (O.Reg.153/04)		MOE DECPH-E3421/CCME Tier 1
F2-F4-WT	Soil	F2-F4 (O.Reg.153/04)		MOE DECPH-E3398/CCME Tier 1
HG-WT	Soil	Mercury by CVAA		SW846 7470A
MET-R153-WT	Water	Standard Metal Scan		EPA 200.8
MET-R153-WT	Soil	Standard Metal Scan (ICP)		EPA 3050
MOISTURE-WT	Soil	% Moisture		Gravimetric: Oven Dried
PAH-CCME-WT	Water	CCME PAHs		SW846 8270
PH-R153-WT	Soil	pH		MOEE E3137A

Reference Information

5-698-17-02

VOC-CCME-TABLE1-WT	Soil	Volatile Organics (153/04) Table 1	MOE-E3254
VOC-ROU-NO-BTX-WT	Water	Volatile Organic Compounds	SW846 8260

Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

55492

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS LABORATORY GROUP - WATERLOO, ONTARIO, CAN		

GLOSSARY OF REPORT TERMS
Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds.
The reported surrogate recovery value provides a measure of method efficiency. The Laboratory control limits are determined under column heading D.L.
mg/kg (units) - unit of concentration based on mass, parts per million
mg/L (units) - unit of concentration based on volume, parts per million
< - Less than
D.L. - Detection Limit
N/A - Result not available. Refer to qualifier code and definition for explanation

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS.
Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.

ALS provides criteria information as a service to you, our customer. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. ALS recommends review of the most current version of the regulation, and assumes no responsibility for the accuracy of the criteria levels indicated.

ALS Laboratory Group Quality Control Report

Workorder: L714725 Report Date: 12-DEC-08

Client: XCG CONSULTANTS LTD.
820 TRILLIUM DRIVE
KITCHENER ON N2R 1K4
Contact: THOMAS KOLODZIEJ

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BTX-R153-WT	**Water**							
Batch R765687								
WG881061-1 CVS								
Ethyl Benzene			114		%		80-117	05-DEC-08
m+p-Xylenes			118		%		75-127	05-DEC-08
o-Xylene			117		%		81-118	05-DEC-08
Toluene			115		%		79-117	05-DEC-08
Benzene			117		%		79-117	05-DEC-08
WG881061-3 DUP		**L715004-7**						
Benzene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	05-DEC-08
Ethyl Benzene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	05-DEC-08
m+p-Xylenes		<1	<1	RPD-NA	ug/L	N/A	39	05-DEC-08
o-Xylene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	05-DEC-08
Toluene		<0.5	<0.5	RPD-NA	ug/L	N/A	39	05-DEC-08
WG881061-2 MB								
Benzene			<0.5		ug/L		0.5	05-DEC-08
Ethyl Benzene			<0.5		ug/L		0.5	05-DEC-08
m+p-Xylenes			<1		ug/L		1	05-DEC-08
o-Xylene			<0.5		ug/L		0.5	05-DEC-08
Toluene			<0.5		ug/L		0.5	05-DEC-08
F1-WT	**Water**							
Batch R765719								
WG881062-1 CVS								
TVH: (C6-C10 / No BTEX Correction)			98		%		54-126	04-DEC-08
WG881062-3 DUP		**L715004-7**						
TVH: (C6-C10 / No BTEX Correction)		<100	<100	RPD-NA	ug/L	N/A	30	04-DEC-08
WG881062-2 MB								
TVH: (C6-C10 / No BTEX Correction)			<100		ug/L		100	04-DEC-08
F2-F4-WT	**Water**							
Batch R765850								
WG882072-1 CVS								
F2 (C10-C16)			90		%		80-120	05-DEC-08
F3 (C16-C34)			97		%		80-120	05-DEC-08
F4 (C34-C50)			105		%		80-120	05-DEC-08
WG881112-2 LCS								
F2 (C10-C16)			79		%		40-120	05-DEC-08
F3 (C16-C34)			90		%		56-104	05-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L714725 Report Date: 12-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-WT	**Water**							
Batch R765850								
WG881112-2 LCS								
F4 (C34-C50)			98		%		50-110	05-DEC-08
WG881112-3 LCSD		**WG881112-2**						
F2 (C10-C16)		79	80		%	2.2	45	05-DEC-08
F3 (C16-C34)		90	91		%	1.4	45	05-DEC-08
F4 (C34-C50)		98	106		%	7.3	45	05-DEC-08
WG881112-1 MB								
F2 (C10-C16)			<100		ug/L		100	05-DEC-08
F3 (C16-C34)			<250		ug/L		250	05-DEC-08
F4 (C34-C50)			<250		ug/L		250	05-DEC-08
MET-R153-WT	**Water**							
Batch R766845								
WG882923-1 CVS								
Antimony (Sb)			100		%		80-120	08-DEC-08
Arsenic (As)			109		%		80-120	08-DEC-08
Barium (Ba)			104		%		80-120	08-DEC-08
Boron (B)			112		%		70-130	08-DEC-08
Cadmium (Cd)			108		%		80-120	08-DEC-08
Chromium (Cr)			112		%		80-120	08-DEC-08
Cobalt (Co)			112		%		80-120	08-DEC-08
Copper (Cu)			114		%		80-120	08-DEC-08
Lead (Pb)			109		%		80-120	08-DEC-08
Molybdenum (Mo)			114		%		80-120	08-DEC-08
Nickel (Ni)			113		%		80-120	08-DEC-08
Selenium (Se)			104		%		80-120	08-DEC-08
Silver (Ag)			103		%		80-120	08-DEC-08
Thallium (Tl)			109		%		63-138	08-DEC-08
Vanadium (V)			110		%		63-138	08-DEC-08
Zinc (Zn)			114		%		80-120	08-DEC-08
WG882923-5 DUP		**WG882923-4**						
Antimony (Sb)		<50	<50	DLM	ug/L	N/A	20	08-DEC-08
Arsenic (As)		20	20	DLM	ug/L	0	40	08-DEC-08
Barium (Ba)		400	400	DLM	ug/L	0	400	08-DEC-08
Boron (B)		2400	2300	DLM	ug/L	2.4	20	08-DEC-08
Cadmium (Cd)		<1	<1					

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Water**							
Batch R766845								
WG882923-5 DUP		**WG882923-4**						
Cadmium (Cd)		<1	<1	DLM	ug/L	N/A	26	08-DEC-08
Chromium (Cr)		40	50	DLM	ug/L	0	40	08-DEC-08
Cobalt (Co)		17	16	DLM	ug/L	0	20	08-DEC-08
Copper (Cu)		<10	<10	DLM	ug/L	N/A	26	08-DEC-08
Lead (Pb)		<10	<10	DLM	ug/L	N/A	20	08-DEC-08
Molybdenum (Mo)		<10	<10	DLM	ug/L	N/A	26	08-DEC-08
Nickel (Ni)		30	30	DLM	ug/L	0	80	08-DEC-08
Selenium (Se)		<50	<50	DLM	ug/L	N/A	26	08-DEC-08
Silver (Ag)		<1	<1	DLM	ug/L	N/A	26	08-DEC-08
Thallium (Tl)		<3	<3	DLM	ug/L	N/A	26	08-DEC-08
Vanadium (V)		10	10	DLM	ug/L	0	40	08-DEC-08
Zinc (Zn)		<30	<30	DLM	ug/L	N/A	20	08-DEC-08
WG882923-3 MB								
Antimony (Sb)			<5		ug/L		5	08-DEC-08
Arsenic (As)			<1		ug/L		1	08-DEC-08
Barium (Ba)			<10		ug/L		10	08-DEC-08
Boron (B)			<50		ug/L		50	08-DEC-08
Cadmium (Cd)			<0.1		ug/L		0.1	08-DEC-08
Chromium (Cr)			<1		ug/L		1	08-DEC-08
Cobalt (Co)			<0.5		ug/L		0.5	08-DEC-08
Copper (Cu)			<1		ug/L		1	08-DEC-08
Lead (Pb)			<1		ug/L		1	08-DEC-08
Molybdenum (Mo)			<1		ug/L		1	08-DEC-08
Nickel (Ni)			<2		ug/L		2	08-DEC-08
Selenium (Se)			<5		ug/L		5	08-DEC-08
Silver (Ag)			<0.1		ug/L		0.1	08-DEC-08
Thallium (Tl)			<0.3		ug/L		0.3	08-DEC-08
Vanadium (V)			<1		ug/L		1	08-DEC-08
Zinc (Zn)			<3		ug/L		3	08-DEC-08
Batch R767654								
WG884057-1 CVS								
Beryllium (Be)			109		%		80-120	10-DEC-08
Sodium (Na)			102		%		63-138	10-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Water**							
Batch R767654								
WG884057-5 DUP		**WG884057-4**						
Beryllium (Be)		<1	<1	RPD-NA	ug/L	N/A	26	10-DEC-08
Sodium (Na)		20000	20600		ug/L	3.1	26	10-DEC-08
WG884057-3 MB								
Beryllium (Be)			<1		ug/L		1	10-DEC-08
Sodium (Na)			<500		ug/L		500	10-DEC-08
Batch R768311								
WG884648-1 CVS								
Antimony (Sb)			94		%		80-120	11-DEC-08
Arsenic (As)			104		%		80-120	11-DEC-08
Barium (Ba)			98		%		80-120	11-DEC-08
Boron (B)			108		%		70-130	11-DEC-08
Cadmium (Cd)			104		%		80-120	11-DEC-08
Chromium (Cr)			104		%		80-120	11-DEC-08
Cobalt (Co)			104		%		80-120	11-DEC-08
Copper (Cu)			101		%		80-120	11-DEC-08
Lead (Pb)			100		%		80-120	11-DEC-08
Molybdenum (Mo)			103		%		80-120	11-DEC-08
Nickel (Ni)			105		%		80-120	11-DEC-08
Selenium (Se)			101		%		80-120	11-DEC-08
Silver (Ag)			92		%		80-120	11-DEC-08
Sodium (Na)			105		%		63-138	11-DEC-08
Thallium (Tl)			105		%		63-138	11-DEC-08
Vanadium (V)			102		%		63-138	11-DEC-08
Zinc (Zn)			106		%		80-120	11-DEC-08
WG884648-5 DUP		**WG884648-4**						
Antimony (Sb)		<500	<500	DLM	ug/L	N/A	20	11-DEC-08
Arsenic (As)		<100	<100	DLM	ug/L	N/A	20	11-DEC-08
Barium (Ba)		<1000	<1000	DLM	ug/L	N/A	20	11-DEC-08
Boron (B)		<5000	<5000	DLM	ug/L	N/A	20	11-DEC-08
Cadmium (Cd)		<10	<10	DLM	ug/L	N/A	26	11-DEC-08
Chromium (Cr)		<100	<100	DLM	ug/L	N/A	26	11-DEC-08
Cobalt (Co)		<50	<50	DLM	ug/L	N/A	26	11-DEC-08
Copper (Cu)		<100	<100	DLM	ug/L	N/A	26	11-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L714725 Report Date: 12-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Water**							
Batch R768311								
WG884648-5 DUP		**WG884648-4**						
Lead (Pb)		<100	<100	DLM	ug/L	N/A	20	11-DEC-08
Molybdenum (Mo)		<100	<100	DLM	ug/L	N/A	26	11-DEC-08
Nickel (Ni)		<200	<200	DLM	ug/L	N/A	26	11-DEC-08
Selenium (Se)		<500	<500	DLM	ug/L	N/A	26	11-DEC-08
Silver (Ag)		<10	<10	DLM	ug/L	N/A	26	11-DEC-08
Sodium (Na)		360000	350000	DLM	ug/L	10000	200000	11-DEC-08
Thallium (Tl)		<30	<30	DLM	ug/L	N/A	26	11-DEC-08
Vanadium (V)		<100	<100	DLM	ug/L	N/A	26	11-DEC-08
Zinc (Zn)		<300	<300	DLM	ug/L	N/A	20	11-DEC-08
WG884648-3 MB								
Antimony (Sb)			<5		ug/L		5	11-DEC-08
Arsenic (As)			<1		ug/L		1	11-DEC-08
Barium (Ba)			<10		ug/L		10	11-DEC-08
Boron (B)			<50		ug/L		50	11-DEC-08
Cadmium (Cd)			<0.1		ug/L		0.1	11-DEC-08
Chromium (Cr)			<1		ug/L		1	11-DEC-08
Cobalt (Co)			<0.5		ug/L		0.5	11-DEC-08
Copper (Cu)			<1		ug/L		1	11-DEC-08
Lead (Pb)			<1		ug/L		1	11-DEC-08
Molybdenum (Mo)			<1		ug/L		1	11-DEC-08
Nickel (Ni)			<2		ug/L		2	11-DEC-08
Selenium (Se)			<5		ug/L		5	11-DEC-08
Silver (Ag)			<0.1		ug/L		0.1	11-DEC-08
Sodium (Na)			<500		ug/L		500	11-DEC-08
Thallium (Tl)			<0.3		ug/L		0.3	11-DEC-08
Vanadium (V)			<1		ug/L		1	11-DEC-08
Zinc (Zn)			<3		ug/L		3	11-DEC-08
Batch R768731								
WG885276-1 CVS								
Beryllium (Be)			104		%		80-120	12-DEC-08
Sodium (Na)			100		%		63-138	12-DEC-08
WG885276-5 DUP		**WG885276-4**						
Beryllium (Be)		<1	<1	RPD-NA	ug/L	N/A	26	12-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L714725 Report Date: 12-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Water**							
Batch R768731								
WG885276-5 DUP		**WG885276-4**						
Sodium (Na)		<500	<500	RPD-NA	ug/L	N/A	26	12-DEC-08
WG885276-3 MB								
Beryllium (Be)			<1		ug/L		1	12-DEC-08
Sodium (Na)			<500		ug/L		500	12-DEC-08
PAH-CCME-WT	**Water**							
Batch R765675								
WG881729-1 CVS								
1-Methylnaphthalene			92		%		71-125	05-DEC-08
2-Methylnaphthalene			78		%		70-117	05-DEC-08
Acenaphthene			92		%		77-128	05-DEC-08
Acenaphthylene			91		%		70-125	05-DEC-08
Acridine			112		%		55-145	05-DEC-08
Anthracene			92		%		74-126	05-DEC-08
Benzo(a)anthracene			94		%		77-131	05-DEC-08
Benzo(a)pyrene			89		%		48-149	05-DEC-08
Benzo(b)fluoranthene			89		%		62-135	05-DEC-08
Benzo(g,h,i)perylene			94		%		73-128	05-DEC-08
Benzo(k)fluoranthene			97		%		69-132	05-DEC-08
Chrysene			95		%		75-130	05-DEC-08
Dibenzo(ah)anthracene			94		%		66-136	05-DEC-08
Fluoranthene			91		%		75-122	05-DEC-08
Fluorene			92		%		76-127	05-DEC-08
Indeno(1,2,3-cd)pyrene			91		%		62-139	05-DEC-08
Naphthalene			81		%		79-126	05-DEC-08
Phenanthrene			92		%		79-126	05-DEC-08
Pyrene			92		%		76-126	05-DEC-08
Quinoline			103		%		55-145	05-DEC-08
WG881411-2 LCS								
1-Methylnaphthalene			60		%		25-131	05-DEC-08
2-Methylnaphthalene			51		%		25-123	05-DEC-08
Acenaphthene			70		%		38-143	05-DEC-08
Acenaphthylene			71		%		43-145	05-DEC-08
Acridine			105		%		55-145	05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Water**							
Batch R765675								
WG881411-2 LCS								
Anthracene			89		%		44-129	05-DEC-08
Benzo(a)anthracene			90		%		48-143	05-DEC-08
Benzo(a)pyrene			84		%		39-137	05-DEC-08
Benzo(b)fluoranthene			78		%		42-153	05-DEC-08
Benzo(g,h,i)perylene			82		%		42-157	05-DEC-08
Benzo(k)fluoranthene			102		%		37-158	05-DEC-08
Chrysene			97		%		48-149	05-DEC-08
Dibenzo(ah)anthracene			76		%		41-141	05-DEC-08
Fluoranthene			94		%		46-146	05-DEC-08
Fluorene			75		%		37-140	05-DEC-08
Indeno(1,2,3-cd)pyrene			81		%		42-139	05-DEC-08
Naphthalene			59		%		29-127	05-DEC-08
Phenanthrene			86		%		43-137	05-DEC-08
Pyrene			95		%		58-132	05-DEC-08
Quinoline			89		%		55-145	05-DEC-08
WG881411-3 LCSD		**WG881411-2**						
1-Methylnaphthalene		60	58		%	3.6	45	05-DEC-08
2-Methylnaphthalene		51	49		%	3.6	50	05-DEC-08
Acenaphthene		70	66		%	5.8	45	05-DEC-08
Acenaphthylene		71	68		%	4.4	45	05-DEC-08
Acridine		105	117		%	11	45	05-DEC-08
Anthracene		89	92		%	2.4	50	05-DEC-08
Benzo(a)anthracene		90	92		%	2.2	45	05-DEC-08
Benzo(a)pyrene		84	85		%	0.50	45	05-DEC-08
Benzo(b)fluoranthene		78	79		%	0.97	45	05-DEC-08
Benzo(g,h,i)perylene		82	80		%	2.5	45	05-DEC-08
Benzo(k)fluoranthene		102	102		%	0.015	45	05-DEC-08
Chrysene		97	99		%	2.5	45	05-DEC-08
Dibenzo(ah)anthracene		76	74		%	2.3	45	05-DEC-08
Fluoranthene		94	96		%	1.6	45	05-DEC-08
Fluorene		75	72		%	4.0	45	05-DEC-08
Indeno(1,2,3-cd)pyrene		81	80		%	2.0	45	05-DEC-08
Naphthalene		59	61		%	2.6	45	05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Water**							
Batch R765675								
WG881411-3 LCSD		**WG881411-2**						
Phenanthrene		86	89		%	3.0	45	05-DEC-08
Pyrene		95	97		%	1.7	45	05-DEC-08
Quinoline		89	90		%	0.45	45	05-DEC-08
WG881411-1 MB								
1-Methylnaphthalene			<0.02		ug/L		0.02	05-DEC-08
2-Methylnaphthalene			<0.02		ug/L		0.02	05-DEC-08
Acenaphthene			<0.02		ug/L		0.02	05-DEC-08
Acenaphthylene			<0.02		ug/L		0.02	05-DEC-08
Acridine			<4		ug/L		4	05-DEC-08
Anthracene			<0.02		ug/L		0.02	05-DEC-08
Benzo(a)anthracene			<0.02		ug/L		0.02	05-DEC-08
Benzo(a)pyrene			<0.005		ug/L		0.005	05-DEC-08
Benzo(b)fluoranthene			<0.02		ug/L		0.02	05-DEC-08
Benzo(g,h,i)perylene			<0.02		ug/L		0.02	05-DEC-08
Benzo(k)fluoranthene			<0.02		ug/L		0.02	05-DEC-08
Chrysene			<0.02		ug/L		0.02	05-DEC-08
Dibenzo(ah)anthracene			<0.02		ug/L		0.02	05-DEC-08
Fluoranthene			<0.02		ug/L		0.02	05-DEC-08
Fluorene			<0.02		ug/L		0.02	05-DEC-08
Indeno(1,2,3-cd)pyrene			<0.02		ug/L		0.02	05-DEC-08
Naphthalene			<0.02		ug/L		0.02	05-DEC-08
Phenanthrene			<0.02		ug/L		0.02	05-DEC-08
Pyrene			<0.02		ug/L		0.02	05-DEC-08
Quinoline			<0.02		ug/L		0.02	05-DEC-08
Batch R767652								
WG882763-1 CVS								
1-Methylnaphthalene			89		%		71-125	10-DEC-08
2-Methylnaphthalene			78		%		70-117	10-DEC-08
Acenaphthene			92		%		77-128	10-DEC-08
Acenaphthylene			89		%		70-125	10-DEC-08
Acridine			111		%		55-145	10-DEC-08
Anthracene			90		%		74-126	10-DEC-08
Benzo(a)anthracene			93		%		77-131	10-DEC-08

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Water**							
Batch R767652								
WG882763-1 CVS								
Benzo(a)pyrene			85		%		48-149	10-DEC-08
Benzo(b)fluoranthene			102		%		62-135	10-DEC-08
Benzo(g,h,i)perylene			89		%		73-128	10-DEC-08
Benzo(k)fluoranthene			82		%		69-132	10-DEC-08
Chrysene			94		%		75-130	10-DEC-08
Dibenzo(ah)anthracene			83		%		66-136	10-DEC-08
Fluoranthene			88		%		75-122	10-DEC-08
Fluorene			91		%		76-127	10-DEC-08
Indeno(1,2,3-cd)pyrene			83		%		62-139	10-DEC-08
Naphthalene			102		%		79-126	10-DEC-08
Phenanthrene			92		%		79-126	10-DEC-08
Pyrene			90		%		76-126	10-DEC-08
Quinoline			110		%		55-145	10-DEC-08
WG881823-2 LCS								
1-Methylnaphthalene			72		%		25-131	10-DEC-08
2-Methylnaphthalene			66		%		25-123	10-DEC-08
Acenaphthene			88		%		38-143	10-DEC-08
Acenaphthylene			81		%		43-145	10-DEC-08
Acridine			100		%		55-145	10-DEC-08
Anthracene			100		%		44-129	10-DEC-08
Benzo(a)anthracene			111		%		48-143	10-DEC-08
Benzo(a)pyrene			96		%		39-137	10-DEC-08
Benzo(b)fluoranthene			118		%		42-153	10-DEC-08
Benzo(g,h,i)perylene			103		%		42-157	10-DEC-08
Benzo(k)fluoranthene			104		%		37-158	10-DEC-08
Chrysene			109		%		48-149	10-DEC-08
Dibenzo(ah)anthracene			101		%		41-141	10-DEC-08
Fluoranthene			106		%		46-146	10-DEC-08
Fluorene			97		%		37-140	10-DEC-08
Indeno(1,2,3-cd)pyrene			106		%		42-139	10-DEC-08
Naphthalene			81		%		29-127	10-DEC-08
Phenanthrene			102		%		43-137	10-DEC-08
Pyrene			105		%		58-132	10-DEC-08

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-WT	**Water**							
Batch R767652								
WG881823-2 LCS								
Quinoline			91		%		55-145	10-DEC-08
WG881823-1 MB								
1-Methylnaphthalene			<0.02		ug/L		0.02	10-DEC-08
2-Methylnaphthalene			<0.02		ug/L		0.02	10-DEC-08
Acenaphthene			<0.02		ug/L		0.02	10-DEC-08
Acenaphthylene			<0.02		ug/L		0.02	10-DEC-08
Acridine			<4		ug/L		4	10-DEC-08
Anthracene			<0.02		ug/L		0.02	10-DEC-08
Benzo(a)anthracene			<0.02		ug/L		0.02	10-DEC-08
Benzo(a)pyrene			<0.005		ug/L		0.005	10-DEC-08
Benzo(b)fluoranthene			<0.02		ug/L		0.02	10-DEC-08
Benzo(g,h,i)perylene			<0.02		ug/L		0.02	10-DEC-08
Benzo(k)fluoranthene			<0.02		ug/L		0.02	10-DEC-08
Chrysene			<0.02		ug/L		0.02	10-DEC-08
Dibenzo(ah)anthracene			<0.02		ug/L		0.02	10-DEC-08
Fluoranthene			<0.02		ug/L		0.02	10-DEC-08
Fluorene			<0.02		ug/L		0.02	10-DEC-08
Indeno(1,2,3-cd)pyrene			<0.02		ug/L		0.02	10-DEC-08
Naphthalene			<0.02		ug/L		0.02	10-DEC-08
Phenanthrene			<0.02		ug/L		0.02	10-DEC-08
Pyrene			<0.02		ug/L		0.02	10-DEC-08
Quinoline			<0.02		ug/L		0.02	10-DEC-08
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-1 CVS								
1,1,1,2-Tetrachloroethane			82		%		75-120	08-DEC-08
1,1,1-Trichloroethane			97		%		74-124	08-DEC-08
1,1,2,2-Tetrachloroethane			93		%		62-130	08-DEC-08
1,1,2-Trichloroethane			91		%		76-119	08-DEC-08
1,1-Dichloroethane			100		%		74-126	08-DEC-08
1,1-Dichloroethylene			96		%		67-127	08-DEC-08
1,2-Dichlorobenzene			95		%		77-119	08-DEC-08
1,2-Dichloroethane			99		%		70-132	08-DEC-08

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-1 CVS								
1,2-Dichloropropane			92		%		75-126	08-DEC-08
1,3-Dichlorobenzene			93		%		74-120	08-DEC-08
1,4-Dichlorobenzene			92		%		74-122	08-DEC-08
2-Hexanone			91		%		47-149	08-DEC-08
Acetone			88		%		32-175	08-DEC-08
Bromodichloromethane			89		%		71-124	08-DEC-08
Bromoform			83		%		63-126	08-DEC-08
Bromomethane			91		%		45-138	08-DEC-08
Carbon Disulfide			88		%		47-133	08-DEC-08
Carbon tetrachloride			82		%		69-129	08-DEC-08
Chlorobenzene			94		%		78-120	08-DEC-08
Dibromochloromethane			89		%		69-120	08-DEC-08
Chloroethane			94		%		64-130	08-DEC-08
Chloroform			97		%		63-138	08-DEC-08
Chloromethane			101		%		43-142	08-DEC-08
cis-1,2-Dichloroethylene			89		%		77-121	08-DEC-08
cis-1,3-Dichloropropene			78		%		63-138	08-DEC-08
Dichlorodifluoromethane			84		%		60-125	08-DEC-08
1,2-Dibromoethane			99		%		75-125	08-DEC-08
Methyl Ethyl Ketone			78		%		47-155	08-DEC-08
Methyl Isobutyl Ketone			84		%		60-132	08-DEC-08
MTBE			107		%		62-128	08-DEC-08
Dichloromethane			96		%		78-121	08-DEC-08
Styrene			79		%		72-130	08-DEC-08
Tetrachloroethylene			91		%		78-130	08-DEC-08
trans-1,2-Dichloroethylene			94		%		63-138	08-DEC-08
trans-1,3-Dichloropropene			85		%		63-138	08-DEC-08
Trichloroethylene			90		%		74-124	08-DEC-08
Trichlorofluoromethane			105		%		67-133	08-DEC-08
Vinyl chloride			101		%		55-145	08-DEC-08
WG882446-4 DUP		**WG882446-3**						
1,1,1,2-Tetrachloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,1,1-Trichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-4 DUP		**WG882446-3**						
1,1,2,2-Tetrachloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,1,2-Trichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,1-Dichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,1-Dichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,2-Dichlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,2-Dichloroethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,2-Dichloropropane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,3-Dichlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
1,4-Dichlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
2-Hexanone		<20	<20	RPD-NA	ug/L	N/A	20	08-DEC-08
Acetone		<20	<20	RPD-NA	ug/L	N/A	20	08-DEC-08
Bromodichloromethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Bromoform		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Bromomethane		0.6	0.5	J	ug/L	0.1	0.2	08-DEC-08
Carbon Disulfide		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Carbon tetrachloride		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Chlorobenzene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Dibromochloromethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Chloroethane		<1	<1	RPD-NA	ug/L	N/A	20	08-DEC-08
Chloroform		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Chloromethane		<1	<1	RPD-NA	ug/L	N/A	20	08-DEC-08
cis-1,2-Dichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
cis-1,3-Dichloropropene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Dichlorodifluoromethane		<1	<1	RPD-NA	ug/L	N/A	20	08-DEC-08
1,2-Dibromoethane		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	20	08-DEC-08
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	20	08-DEC-08
MTBE		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Dichloromethane		<0.5	<0.5	RPD-NA	ug/L	N/A	31	08-DEC-08
Styrene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Tetrachloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
trans-1,2-Dichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
trans-1,3-Dichloropropene		<0.5	<0.5					08-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-4 DUP		**WG882446-3**						
trans-1,3-Dichloropropene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Trichloroethylene		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
Trichlorofluoromethane		<1	<1	RPD-NA	ug/L	N/A	20	08-DEC-08
Vinyl chloride		<0.5	<0.5	RPD-NA	ug/L	N/A	20	08-DEC-08
WG882446-2 MB								
1,1,1,2-Tetrachloroethane			<0.5		ug/L		0.5	08-DEC-08
1,1,1-Trichloroethane			<0.5		ug/L		0.5	08-DEC-08
1,1,2,2-Tetrachloroethane			<0.5		ug/L		0.5	08-DEC-08
1,1,2-Trichloroethane			<0.5		ug/L		0.5	08-DEC-08
1,1-Dichloroethane			<0.5		ug/L		0.5	08-DEC-08
1,1-Dichloroethylene			<0.5		ug/L		0.5	08-DEC-08
1,2-Dichlorobenzene			<0.5		ug/L		0.5	08-DEC-08
1,2-Dichloroethane			<0.5		ug/L		0.5	08-DEC-08
1,2-Dichloropropane			<0.5		ug/L		0.5	08-DEC-08
1,3-Dichlorobenzene			<0.5		ug/L		0.5	08-DEC-08
1,4-Dichlorobenzene			<0.5		ug/L		0.5	08-DEC-08
2-Hexanone			<20		ug/L		20	08-DEC-08
Acetone			<20		ug/L		20	08-DEC-08
Bromodichloromethane			<0.5		ug/L		0.5	08-DEC-08
Bromoform			<0.5		ug/L		0.5	08-DEC-08
Carbon Disulfide			<0.5		ug/L		0.5	08-DEC-08
Carbon tetrachloride			<0.5		ug/L		0.5	08-DEC-08
Chlorobenzene			<0.5		ug/L		0.5	08-DEC-08
Dibromochloromethane			<0.5		ug/L		0.5	08-DEC-08
Chloroethane			<1		ug/L		1	08-DEC-08
Chloroform			<0.5		ug/L		0.5	08-DEC-08
Chloromethane			<1		ug/L		1	08-DEC-08
cis-1,2-Dichloroethylene			<0.5		ug/L		0.5	08-DEC-08
cis-1,3-Dichloropropene			<0.5		ug/L		0.5	08-DEC-08
Dichlorodifluoromethane			<1		ug/L		1	08-DEC-08
1,2-Dibromoethane			<0.5		ug/L		0.5	08-DEC-08
Methyl Ethyl Ketone			<20		ug/L		20	08-DEC-08
Methyl Isobutyl Ketone			<20		ug/L		20	08-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-ROU-NO-BTX-WT	**Water**							
Batch R766722								
WG882446-2 MB								
MTBE			<0.5		ug/L		0.5	08-DEC-08
Dichloromethane			<0.5		ug/L		0.5	08-DEC-08
Styrene			<0.5		ug/L		0.5	08-DEC-08
Tetrachloroethylene			<0.5		ug/L		0.5	08-DEC-08
trans-1,2-Dichloroethylene			<0.5		ug/L		0.5	08-DEC-08
trans-1,3-Dichloropropene			<0.5		ug/L		0.5	08-DEC-08
Trichloroethylene			<0.5		ug/L		0.5	08-DEC-08
Trichlorofluoromethane			<1		ug/L		1	08-DEC-08
Vinyl chloride			<0.5		ug/L		0.5	08-DEC-08
Bromomethane			1.1	A	ug/L		0.5	08-DEC-08
COMMENTS: Method blank positive; related samples have been qualified accordingly.								
AS,SB,SE-3050-MS-WT	**Soil**							
Batch R767196								
WG883491-2 CVS								
Antimony (Sb)			93		%		63-138	09-DEC-08
Arsenic (As)			104		%		63-138	09-DEC-08
Selenium (Se)			98		%		63-138	09-DEC-08
WG881744-4 DUP		**WG881744-3**						
Antimony (Sb)		<1	<1	RPD-NA	mg/kg	N/A	26	09-DEC-08
Arsenic (As)		1	1	J	mg/kg	0	4	09-DEC-08
Selenium (Se)		<1	<1	RPD-NA	mg/kg	N/A	26	09-DEC-08
WG881744-2 LCS								
Arsenic (As)			83		%		63-138	09-DEC-08
Selenium (Se)			75		%		63-138	09-DEC-08
WG881744-1 MB								
Antimony (Sb)			<1		mg/kg		1	09-DEC-08
Arsenic (As)			<1		mg/kg		1	09-DEC-08
Selenium (Se)			<1		mg/kg		1	09-DEC-08
B-AVAIL-WT	**Soil**							
Batch R765821								
WG881766-3 DUP		**L714725-3**						
Boron (B), Available		0.2	0.2	J	ug/g	0.0	0.4	05-DEC-08
WG881766-2 LCS								
Boron (B), Available			102		%		60-140	05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
B-AVAIL-WT	**Soil**							
Batch R765821								
WG881766-1 MB								
Boron (B), Available			<0.1		ug/g		0.1	05-DEC-08
CR-CR6-WT	**Soil**							
Batch R766645								
WG882790-1 CVS								
Chromium, Hexavalent			96		%		70-130	08-DEC-08
WG882790-3 DUP		**L714872-3**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	08-DEC-08
WG882790-4 DUP		**L715110-10**						
Chromium, Hexavalent		<2	<2	RPD-NA	mg/kg	N/A	20	08-DEC-08
WG882790-2 MB								
Chromium, Hexavalent			<2		mg/kg		2	08-DEC-08
F1-WT	**Soil**							
Batch R765653								
WG881059-1 CVS								
TVH: (C6-C10 / No BTEX Correction)			93		%		59-131	04-DEC-08
WG881192-2 DUP		**L714623-1**						
TVH: (C6-C10 / No BTEX Correction)		11	16	J,G	mg/kg	5	2	04-DEC-08
COMMENTS: RPD is within limits.								
WG881192-1 MB								
TVH: (C6-C10 / No BTEX Correction)			<5		mg/kg		5	04-DEC-08
F2-F4-WT	**Soil**							
Batch R765825								
WG882054-1 CVS								
F2 (C10-C16)			99		%		80-120	05-DEC-08
F3 (C16-C34)			102		%		80-120	05-DEC-08
F4 (C34-C50)			105		%		70-130	05-DEC-08
WG882054-2 CVS								
F2 (C10-C16)			103		%		80-120	08-DEC-08
F3 (C16-C34)			103		%		80-120	08-DEC-08
F4 (C34-C50)			105		%		70-130	08-DEC-08
WG881099-4 DUP		**L714619-5**						
F2 (C10-C16)		<10	<10	RPD-NA	mg/kg	N/A	65	05-DEC-08
F3 (C16-C34)		<50	<50	RPD-NA	mg/kg	N/A	65	05-DEC-08
F4 (C34-C50)		<50	<50	RPD-NA	mg/kg	N/A	65	05-DEC-08
WG881099-2 LCS								

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-WT	**Soil**							
Batch R765825								
WG881099-2 LCS								
F2 (C10-C16)			89		%		54-120	05-DEC-08
F3 (C16-C34)			90		%		60-106	05-DEC-08
F4 (C34-C50)			91		%		52-122	05-DEC-08
WG881099-3 LCSD		**WG881099-2**						
F2 (C10-C16)		89	88		%	1.5	45	05-DEC-08
F3 (C16-C34)		90	87		%	3.5	45	05-DEC-08
F4 (C34-C50)		91	87		%	4.2	45	05-DEC-08
WG881099-1 MB								
F2 (C10-C16)			<10		mg/kg		10	05-DEC-08
F3 (C16-C34)			<50		mg/kg		50	05-DEC-08
F4 (C34-C50)			<50		mg/kg		50	05-DEC-08
HG-WT	**Soil**							
Batch R765905								
WG881773-3 DUP		**L714516-1**						
Mercury (Hg)		<0.05	<0.05	RPD-NA	ug/g	N/A	20	05-DEC-08
WG881773-4 LCS								
Mercury (Hg)			111		%		70-130	05-DEC-08
WG881773-1 MB								
Mercury (Hg)			<0.05		ug/g		0.05	05-DEC-08
MET-R153-WT	**Soil**							
Batch R765820								
WG881769-2 CVS								
Barium (Ba)			101		%		80-120	05-DEC-08
Beryllium (Be)			95		%		80-120	05-DEC-08
Cadmium (Cd)			99		%		80-120	05-DEC-08
Chromium (Cr)			98		%		80-120	05-DEC-08
Cobalt (Co)			100		%		80-120	05-DEC-08
Copper (Cu)			99		%		80-120	05-DEC-08
Lead (Pb)			87		%		80-120	05-DEC-08
Molybdenum (Mo)			94		%		80-120	05-DEC-08
Nickel (Ni)			101		%		80-120	05-DEC-08
Silver (Ag)			89		%		80-120	05-DEC-08
Thallium (Tl)			99		%		80-120	05-DEC-08
Vanadium (V)			91		%		80-120	05-DEC-08

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Soil**							
Batch R765820								
WG881769-2 CVS								
Zinc (Zn)			94		%		80-120	05-DEC-08
WG881744-4 DUP		**WG881744-3**						
Barium (Ba)		12	12		mg/kg	1.7	20	05-DEC-08
Beryllium (Be)		<0.5	<0.5	RPD-NA	mg/kg	N/A	20	05-DEC-08
Cadmium (Cd)		<0.5	<0.5	RPD-NA	mg/kg	N/A	20	05-DEC-08
Chromium (Cr)		6	7	J	mg/kg	0	4	05-DEC-08
Cobalt (Co)		3	3	J	mg/kg	0	4	05-DEC-08
Copper (Cu)		7	7	J	mg/kg	0	4	05-DEC-08
Lead (Pb)		8	8	J	mg/kg	0	4	05-DEC-08
Molybdenum (Mo)		<1	<1	RPD-NA	mg/kg	N/A	20	05-DEC-08
Nickel (Ni)		4	4	J	mg/kg	0	4	05-DEC-08
Silver (Ag)		<0.2	<0.2	RPD-NA	mg/kg	N/A	20	05-DEC-08
Thallium (Tl)		<1	<1	RPD-NA	mg/kg	N/A	20	05-DEC-08
Vanadium (V)		10	11		mg/kg	6.0	20	05-DEC-08
Zinc (Zn)		36	37		mg/kg	2.9	20	05-DEC-08
WG881744-2 LCS								
Barium (Ba)			101		%		80-120	05-DEC-08
Beryllium (Be)			95		%		80-120	05-DEC-08
Cadmium (Cd)			94		%		80-120	05-DEC-08
Chromium (Cr)			101		%		80-120	05-DEC-08
Cobalt (Co)			99		%		80-120	05-DEC-08
Copper (Cu)			100		%		80-120	05-DEC-08
Lead (Pb)			97		%		80-120	05-DEC-08
Nickel (Ni)			98		%		80-120	05-DEC-08
Thallium (Tl)			93		%		80-120	05-DEC-08
Vanadium (V)			96		%		80-120	05-DEC-08
Zinc (Zn)			96		%		80-120	05-DEC-08
WG881744-1 MB								
Barium (Ba)			<1		mg/kg		1	05-DEC-08
Beryllium (Be)			<0.5		mg/kg		0.5	05-DEC-08
Cadmium (Cd)			<0.5		mg/kg		0.5	05-DEC-08
Chromium (Cr)			<1		mg/kg		1	05-DEC-08
Cobalt (Co)			<1		mg/kg		1	05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-R153-WT	**Soil**							
Batch R765820								
WG881744-1 MB								
Copper (Cu)			<1		mg/kg		1	05-DEC-08
Lead (Pb)			<1		mg/kg		1	05-DEC-08
Molybdenum (Mo)			<1		mg/kg		1	05-DEC-08
Nickel (Ni)			<1		mg/kg		1	05-DEC-08
Silver (Ag)			<0.2		mg/kg		0.2	05-DEC-08
Thallium (Tl)			<1		mg/kg		1	05-DEC-08
Vanadium (V)			<1		mg/kg		1	05-DEC-08
Zinc (Zn)			<1		mg/kg		1	05-DEC-08
MOISTURE-WT	**Soil**							
Batch R765335								
WG881430-3 DUP		**L714453-2**						
% Moisture		17.8	16.9		%	5.5	26	04-DEC-08
WG881430-2 LCS								
% Moisture			100		%		79-120	04-DEC-08
WG881430-1 MB								
% Moisture			<0.5		%		0.5	04-DEC-08
PH-R153-WT	**Soil**							
Batch R766985								
WG883341-1 CVS								
pH			100		%		63-138	08-DEC-08
WG883341-2 DUP		**L714872-1**						
pH		10.9	10.9		pH units	0.55	26	08-DEC-08
WG883341-3 DUP		**L715360-10**						
pH		6.41	6.44		pH units	0.47	26	08-DEC-08
VOC-CCME-TABLE1-WT	**Soil**							
Batch R766147								
WG881661-1 CVS								
1,1,1,2-Tetrachloroethane			98		%		75-125	05-DEC-08
1,1,1-Trichloroethane			100		%		75-125	05-DEC-08
1,1,2,2-Tetrachloroethane			92		%		75-125	05-DEC-08
1,1,2-Trichloroethane			100		%		75-125	05-DEC-08
1,1-Dichloroethane			101		%		75-125	05-DEC-08
1,1-Dichloroethylene			98		%		75-125	05-DEC-08
1,2-Dichlorobenzene			99		%		75-125	05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R766147								
WG881661-1 CVS								
1,2-Dichloroethane			107		%		75-125	05-DEC-08
1,2-Dichloropropane			104		%		75-125	05-DEC-08
1,3-Dichlorobenzene			101		%		75-125	05-DEC-08
1,4-Dichlorobenzene			99		%		75-125	05-DEC-08
2-Hexanone			109		%		75-125	05-DEC-08
Acetone			103		%		75-125	05-DEC-08
Benzene			106		%		75-125	05-DEC-08
Bromodichloromethane			102		%		75-125	05-DEC-08
Bromoform			102		%		75-125	05-DEC-08
Bromomethane			98		%		55-145	05-DEC-08
Carbon Disulfide			95		%		75-125	05-DEC-08
Carbon tetrachloride			101		%		75-125	05-DEC-08
Chlorobenzene			102		%		75-125	05-DEC-08
Dibromochloromethane			91		%		75-125	05-DEC-08
Chloroethane			102		%		75-125	05-DEC-08
Chloroform			101		%		75-125	05-DEC-08
Chloromethane			98		%		75-125	05-DEC-08
cis-1,2-Dichloroethylene			93		%		75-125	05-DEC-08
cis-1,3-Dichloropropene			109		%		75-125	05-DEC-08
Dibromomethane			103		%		55-145	05-DEC-08
Dichlorodifluoromethane			90		%		75-125	05-DEC-08
Ethyl Benzene			103		%		75-125	05-DEC-08
1,2-Dibromoethane			97		%		55-145	05-DEC-08
m+p-Xylenes			103		%		75-125	05-DEC-08
Methyl Ethyl Ketone			108		%		75-125	05-DEC-08
Methyl Isobutyl Ketone			113		%		55-145	05-DEC-08
MTBE			105		%		75-125	05-DEC-08
Dichloromethane			103		%		55-145	05-DEC-08
o-Xylene			103		%		75-125	05-DEC-08
Styrene			99		%		75-125	05-DEC-08
Tetrachloroethylene			101		%		75-125	05-DEC-08
Toluene			105		%		75-125	05-DEC-08
trans-1,2-Dichloroethylene			105		%		75-125	05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R766147								
WG881661-1 CVS								
trans-1,3-Dichloropropene			93		%		75-125	05-DEC-08
Trichloroethylene			100		%		75-125	05-DEC-08
Trichlorofluoromethane			109		%		66-137	05-DEC-08
Vinyl chloride			103		%		75-125	05-DEC-08
WG881226-3 DUP		**WG881226-2**						
1,1,1,2-Tetrachloroethane		N/A	<0.008	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,1,1-Trichloroethane		N/A	<0.008	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,1,2,2-Tetrachloroethane		N/A	<0.004	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,1,2-Trichloroethane		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,1-Dichloroethane		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,1-Dichloroethylene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,2-Dichlorobenzene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,2-Dichloroethane		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,2-Dichloropropane		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,3-Dichlorobenzene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,4-Dichlorobenzene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
2-Hexanone		N/A	<0.2	RPD-NA	mg/kg	N/A	39	05-DEC-08
Acetone		N/A	<0.5	RPD-NA	mg/kg	N/A	39	05-DEC-08
Benzene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
Bromodichloromethane		N/A	<0.005	RPD-NA	mg/kg	N/A	39	05-DEC-08
Bromoform		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
Bromomethane		N/A	<0.003	RPD-NA	mg/kg	N/A	39	05-DEC-08
Carbon Disulfide		N/A	<0.02	RPD-NA	mg/kg	N/A	39	05-DEC-08
Carbon tetrachloride		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
Chlorobenzene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
Dibromochloromethane		N/A	<0.003	RPD-NA	mg/kg	N/A	39	05-DEC-08
Chloroethane		N/A	<0.03	RPD-NA	mg/kg	N/A	39	05-DEC-08
Chloroform		N/A	<0.006	RPD-NA	mg/kg	N/A	39	05-DEC-08
Chloromethane		N/A	<0.03	RPD-NA	mg/kg	N/A	39	05-DEC-08
cis-1,2-Dichloroethylene		N/A	<0.02	RPD-NA	mg/kg	N/A	39	05-DEC-08
cis-1,3-Dichloropropene		N/A	<0.003	RPD-NA	mg/kg	N/A	39	05-DEC-08
Dibromomethane		N/A	<0.01	RPD-NA	mg/kg	N/A	39	05-DEC-08
Dichlorodifluoromethane		N/A	<0.03	RPD-NA	mg/kg	N/A	39	05-DEC-08

ALS Laboratory Group Quality Control Report

Workorder: L714725 Report Date: 12-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R766147								
WG881226-3 DUP		**WG881226-2**						
Ethyl Benzene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
1,2-Dibromoethane		N/A	<0.004	RPD-NA	mg/kg	N/A	39	05-DEC-08
m+p-Xylenes		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
Methyl Ethyl Ketone		N/A	<0.2	RPD-NA	mg/kg	N/A	39	05-DEC-08
Methyl Isobutyl Ketone		N/A	<0.2	RPD-NA	mg/kg	N/A	39	05-DEC-08
MTBE		N/A	<0.2	RPD-NA	mg/kg	N/A	39	05-DEC-08
Dichloromethane		N/A	<0.003	RPD-NA	mg/kg	N/A	39	05-DEC-08
o-Xylene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
Styrene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
Tetrachloroethylene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
Toluene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
trans-1,2-Dichloroethylene		N/A	<0.002	RPD-NA	mg/kg	N/A	39	05-DEC-08
trans-1,3-Dichloropropene		N/A	<0.003	RPD-NA	mg/kg	N/A	39	05-DEC-08
Trichloroethylene		N/A	<0.004	RPD-NA	mg/kg	N/A	39	05-DEC-08
Trichlorofluoromethane		N/A	<0.03	RPD-NA	mg/kg	N/A	39	05-DEC-08
Vinyl chloride		N/A	<0.003	RPD-NA	mg/kg	N/A	39	05-DEC-08
WG881226-1 MB								
1,1,1,2-Tetrachloroethane			<0.008		mg/kg		0.008	05-DEC-08
1,1,1-Trichloroethane			<0.008		mg/kg		0.008	05-DEC-08
1,1,2,2-Tetrachloroethane			<0.004		mg/kg		0.004	05-DEC-08
1,1,2-Trichloroethane			<0.002		mg/kg		0.002	05-DEC-08
1,1-Dichloroethane			<0.002		mg/kg		0.002	05-DEC-08
1,1-Dichloroethylene			<0.002		mg/kg		0.002	05-DEC-08
1,2-Dichlorobenzene			<0.002		mg/kg		0.002	05-DEC-08
1,2-Dichloroethane			<0.002		mg/kg		0.002	05-DEC-08
1,2-Dichloropropane			<0.002		mg/kg		0.002	05-DEC-08
1,3-Dichlorobenzene			<0.002		mg/kg		0.002	05-DEC-08
1,4-Dichlorobenzene			<0.002		mg/kg		0.002	05-DEC-08
2-Hexanone			<0.2		mg/kg		0.2	05-DEC-08
Acetone			<0.5		mg/kg		0.5	05-DEC-08
Benzene			<0.002		mg/kg		0.002	05-DEC-08
Bromodichloromethane			<0.005		mg/kg		0.005	05-DEC-08
Bromoform			<0.002		mg/kg		0.002	05-DEC-08

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-CCME-TABLE1-WT	**Soil**							
Batch R766147								
WG881226-1 MB								
Bromomethane			<0.003		mg/kg		0.003	05-DEC-08
Carbon Disulfide			<0.02		mg/kg		0.02	05-DEC-08
Carbon tetrachloride			<0.002		mg/kg		0.002	05-DEC-08
Chlorobenzene			<0.002		mg/kg		0.002	05-DEC-08
Dibromochloromethane			<0.003		mg/kg		0.003	05-DEC-08
Chloroethane			<0.03		mg/kg		0.03	05-DEC-08
Chloroform			<0.006		mg/kg		0.006	05-DEC-08
Chloromethane			<0.03		mg/kg		0.03	05-DEC-08
cis-1,2-Dichloroethylene			<0.02		mg/kg		0.02	05-DEC-08
cis-1,3-Dichloropropene			<0.003		mg/kg		0.003	05-DEC-08
Dibromomethane			<0.01		mg/kg		0.01	05-DEC-08
Dichlorodifluoromethane			<0.03		mg/kg		0.03	05-DEC-08
Ethyl Benzene			<0.002		mg/kg		0.002	05-DEC-08
1,2-Dibromoethane			<0.004		mg/kg		0.004	05-DEC-08
m+p-Xylenes			<0.002		mg/kg		0.002	05-DEC-08
Methyl Ethyl Ketone			<0.2		mg/kg		0.2	05-DEC-08
Methyl Isobutyl Ketone			<0.2		mg/kg		0.2	05-DEC-08
MTBE			<0.2		mg/kg		0.2	05-DEC-08
Dichloromethane			<0.003		mg/kg		0.003	05-DEC-08
o-Xylene			<0.002		mg/kg		0.002	05-DEC-08
Styrene			<0.002		mg/kg		0.002	05-DEC-08
Tetrachloroethylene			<0.002		mg/kg		0.002	05-DEC-08
Toluene			<0.002		mg/kg		0.002	05-DEC-08
trans-1,2-Dichloroethylene			<0.002		mg/kg		0.002	05-DEC-08
trans-1,3-Dichloropropene			<0.003		mg/kg		0.003	05-DEC-08
Trichloroethylene			<0.004		mg/kg		0.004	05-DEC-08
Trichlorofluoromethane			<0.03		mg/kg		0.03	05-DEC-08
Vinyl chloride			<0.003		mg/kg		0.003	05-DEC-08

ALS Laboratory Group Quality Control Report

Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.