

FINAL REPORT ON

PHASE II ENVIRONMENTAL SITE ASSESSMENT

CONSOLIDATED FASTFRATE SITE
WINNIPEG, MANITOBA

Submitted to:

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1.0 INTRODUCTION

Golder Associates Ltd. (Golder) was retained by Consolidated Fastfrate Inc. (Fastfrate) to conduct a Phase II Environmental Site Assessment (ESA) of the property located at 477 and 505 Keewatin Street in Winnipeg, Manitoba and is legally described as Lot 2 Plan 42883 and Part Parcel D Plan 38225 Parish of St. John OTM Lot 35 (hereafter referred to as the "Site"). It is understood that the Phase II ESA is required as part of a potential purchase and redevelopment of the Site from Canadian Pacific Railways (CPR).

1.1 Site Description

The Site is located at 477 and 505 Keewatin Street in Winnipeg, Manitoba and is currently owned by CPR. Fastfrate currently leases a 2.2 hectare portion of land from CPR where it operates its trucking and cross-docking facility. The currently leased portion of the Site is comprised of two commercial buildings. The eastern portion of the Site is a vacant portion of land, approximately 2.2 hectares in area, located adjacent to the east of the currently leased portion of the Site. The lands to the east are to be included in the purchase from CPR as part of a planned redevelopment and expansion of Fastfrate's facilities. The land to the east of the current Fastfrate Site consists of generally unused portion of CPR's Weston Yards. It is vacant land with a rail line, piles of old metal parts, railway ties, as well as a built up area where fill was reportedly deposited.

1.2 Background

Golder was retained by Fastfrate to conduct a Phase I ESA of the Site in April 2007. The results of the Phase I ESA were presented in the reported entitled "*Draft Report on Phase I Environmental Site Assessment at 477 and 505 Keewatin Street*", dated May 2007.

Based on the results of the Phase I ESA, the following issues of environmental concern were identified:

- A review of aerial photographs as well as a review of the Dillon 2002 Material Characterization Report showed evidence that significant amounts of fill were placed on the site in the past. Some of the historical fill noted in the aerial photographs is not known. Soils stockpiled in the eastern portion of the Site are reportedly from historical track decommissioning activities. A Material Characterization Report was completed in 2002 to characterize material stockpiled on the east portion of the site. Investigations completed for the preparation of this report reported concentrations of the F3 hydrocarbon fraction and metals above the regulatory criteria is considered an

issue of potential environmental concern. This is considered an issue of potential environmental concern given the exceedances of regulatory criteria of soils in the eastern portion of the Site, as well as the unknown quality of soils used for historical fill material in other areas of the Site and surrounding areas.

- Two underground storage tanks (USTs) used for gasoline and fuel oil were removed in 1996. The gasoline tank at the time of removal passed Level III cleanup criteria described by Manitoba Environment. Under current CCME guidelines the level of benzene found in 3 of the 7 soil samples taken from the excavation pit exceed the guidelines. The removal of the fuel oil UST was followed by a supplementary soil clean up program. The results of this program indicate contaminate concentrations are below all current and historical guidelines.

1.3 Scope of Work

Based on the results of the Phase I ESA and at the request of Fastfrate, Golder provided a cost estimate and work plan for the Phase II ESA at the Site. The purpose of the Phase II ESA was to investigate the presence or absence of environmental impacts and due diligence purposes as part of a potential property sale. The scope of work for the investigations carried out at the Site involved:

- drill six (6) boreholes within the Site to address potential concerns related to the stockpiled soil in the eastern portion of the Site as well as the area of the decommissioned UST in the central portion of the Site;
- installation of monitoring wells in at three (3) selected borehole locations;
- submission of a total of six (6) selected soil samples from the Phase II ESA drilling for chemical analysis for metals, poly aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), Canadian Council of Ministers of the Environment (CCME) petroleum hydrocarbons (PHCs) and benzene, toluene, ethylbenzene, and xylenes (BTEX); and,
- collection of groundwater samples from each of the three (3) monitoring wells and submission for chemical analysis for VOC, PAH and dissolved metals.

Written authorization to proceed with the work program was provided to Golder by Don McCuaig of Fastfrate on May 22, 2007.

2.0 APPLICABLE ENVIRONMENTAL QUALITY GUIDELINES

The principal documents for the evaluation of the environmental quality of soil at hydrocarbon impacted sites in Manitoba are the *Canadian Council of Ministers of the Environment Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health* for benzene, toluene, ethylbenzene, and xylenes (CCME SQG 2004) and the *CCME Canada-Wide Standards for Petroleum Hydrocarbon in Soil*, (CCME PHC 2001, updated 2008). Manitoba has adopted the CCME SQG guidelines set out for a 10^{-6} incremental risk for cancer. The CCME PHC are used for comparison to petroleum hydrocarbon fractions F1 to F4 concentrations in soil.

To determine applicable regulatory criteria for comparison to chemical analytical results, potential receptors of the contaminants must be identified. The City of Winnipeg provides a domestic water supply to each business and residence. During a brief inspection of the vicinity of the Site, no groundwater wells were observed. A search of the Manitoba Water Well database revealed five water wells located within a two kilometre radius of the Site. Well details indicate that the water is drawn from a limestone aquifer approximately 10 m to 15 m below surface with a cover layer consisting of a lacustrine clay deposit. The nearest surface water body to the Site is the Red River, located 4.8 km east of the Site.

The Site and surrounding area are of industrial and commercial land use and fine grained soils. Given the lack of use of shallow groundwater as a potable water resource on or near the Site and the 10 to 15 m of fine grained soils inhibiting contaminant migration, the CCME SQG 2004 and CCME PHC potable groundwater guideline/exposure pathway can be eliminated. The applicable CCME SQG 2004 exposure pathway for this site is for vapour inhalation exposure pathway for benzene, and the soil contact guideline for toluene, ethylbenzene and xylenes. The applicable criteria for the PHC fractions are provided in CCME PHC 2001 for eco soil contact exposure pathway for surface soils.

For all remaining soil chemical parameters, Manitoba has adopted the CCME Environment Quality Guidelines for the Protection of Environmental and Human Health for industrial land use (2006)

Manitoba does not have specific criteria for the evaluation of VOCs, PAHs and dissolved metals in groundwater for a non-potable groundwater conditions. Conversations with Manitoba Conservation recommend comparison of analytical results for VOCs in groundwater to the Ontario Ministry of the Environment document "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*" dated March 9, 2004 (MOE 2004). The relevant criteria were the MOE 2004 Table 3

criteria for full depth generic site condition standards for industrial/commercial/
community land use for a non-potable groundwater condition having fine-medium
textured soils.

3.0 FIELD INVESTIGATION METHODOLOGY

3.1 Borehole Drilling

Borehole drilling was conducted at the Site on June 13, 2007 using a power auger rig equipped with solid stem augers, supplied by Paddock Drilling Ltd. of Winnipeg, Manitoba. Underground utilities were cleared on prior to the commencement of drilling. Borehole locations are provided on Figure 1.

Two boreholes (GA07-1 and GA07-2) were located south of 505 Keewatin Street in the vicinity of a former fuel UST. Four boreholes GA07-3 through GA07-6 were located to the east of current Fastfrate site in vacant CPR lands.

During drilling, the augers were withdrawn from the boreholes at regular depth intervals of 1.5 m. This allowed for soil sampling and logging of the soil lithology and soil conditions during drilling. The soil conditions encountered in the boreholes are described on the Record of Borehole Logs contained in Appendix I.

Soil samples were collected at each borehole location at regular depth intervals (about 0.75 m) or at notable changes in soil conditions. Soil samples collected were split, with two portions of the sample packed tightly into a laboratory-supplied sample jars, and placed in a chilled cooler for possible chemical analysis. The third portion of the soil sample was placed in a sealed plastic bag and allowed to equilibrate to approximately room temperature. The headspace in each bag was screened for the presence of combustible vapours using a MiniRae Photoionization detector (PID) equipped with a 10.6-eV lamp, and calibrated to 100 ppm isobutylene. The results of the soil headspace screening are presented on the Record of Borehole Logs in Appendix I.

Based on site geology and headspace readings, Golder submitted a total of six soil samples from the boreholes to ALS Laboratory Group of Winnipeg, Manitoba for chemical analysis.

Monitoring Well Installation and Groundwater Sampling

Groundwater monitoring wells were installed in three selected boreholes during drilling (GA07-1, GA07-4 and GA07-6). Each monitoring well was constructed using 51 mm polyvinyl chloride pipe and screen. Packaged, clean, washed, and uniform filter sand was used to fill the borehole annulus to approximately 0.3 m above the top of the screened interval (about 1 m below ground surface [bgs]). Bentonite chips were placed in the borehole annulus above the filter pack to a depth of approximately 0.3 m bgs with

water applied to hydrate the bentonite. A steel casing protector was then placed over the monitoring well for protection from damage. Installation details of the monitoring wells are presented on the Record of Borehole Logs included in Appendix I.

The groundwater level was allowed to equilibrate for approximately five weeks, prior to monitoring water levels in each well and collecting groundwater samples from each of the monitoring wells.

Prior to groundwater sampling, each well was developed by purging it dry or by removing a volume of three standing water columns to ensure the collection of samples representative of formation water. After the wells were allowed to recover, groundwater samples were obtained from each monitoring well and submitted to ALS Laboratory Group of Winnipeg, Manitoba for analysis of VOCs, PAHs and dissolved metals.

4.0 INVESTIGATION RESULTS

4.1 Soil Conditions

Details of the conditions encountered in the boreholes are presented in the Record of Borehole Logs included in Appendix I. It should be noted that the subsurface conditions encountered may vary between and beyond the test pits, boreholes and sampling locations.

Within the maximum depth interval penetrated by the boreholes (up to 6.1 m bgs), three main types of naturally-occurring soil materials were encountered. These materials, in order of increasing depth, are fill, silty clay and clay.

The boreholes were advanced to depths ranging from 4.6 to 6.1 m bgs. Fill was encountered in all boreholes from surface to a maximum depth of approximate 3.1 m bgs (GA07-5). The fill was comprised of sand and gravel in boreholes GA07-1 and GA07-2. The fill through the remainder of the boreholes was comprised generally of silty clay with some areas of trace sand and 0.3 m cinders of encountered in GA07-1.

This surficial layer overlies native deposits of clay all boreholes with the exception of GA07-3. The clay deposits are generally brown in color, with variable silt content and were encountered to maximum depth. The silt deposits found within GA07-3 are generally clayey, and extend to the maximum depth drilled (4.6 m bgs).

4.2 Groundwater Conditions

The relative elevations of monitoring wells and the depth to groundwater were measured on April 25, 2005 (GA05-1 through GA05-3) and are shown in Table 1.

The depth to groundwater ranged from 0.73 m bgs to 3.30 m bgs. The groundwater elevation at GA07-6 is approximately 0.3 m lower in elevation than the remaining monitoring wells. The difference in groundwater elevation between monitoring wells could be due to groundwater levels in the monitoring wells not being stabilized.. The initial relative elevation data suggests that the general direction of groundwater flow at the Site is towards the northeast towards the drainage ditch located in the eastern portion of the Site.

4.3 Soil Quality

Soil analytical results with applicable criteria are provided in Tables 2 through 4. Copies of the Laboratory Certificates of Analysis are included in Appendix II. One soil sample collected each of the six boreholes was submitted for chemical analysis of BTEX, PHC fractions (F1 to F4), PAHs, metals and VOCs.

Concentrations of PHC fraction F3 in the soil sample GA07-5 SA31 (18,000 mg/kg) collected from 1.5 m to 2.1 m depth exceeded the applicable CCME CWS 2001 criteria (2,500 mg/kg). Concentrations of all remaining PHC fractions, BTEX parameters and VOCs in all soil samples were below the laboratory detection limits and the applicable guidelines.

The concentration of benzo (b) fluoranthene in soil sample GA07-05 SA31 (11.0 mg/kg) collected from 1.5 m to 2.1 m depth exceeded the applicable CCME criteria (10 mg/kg). All remaining concentrations of PAHs in soil samples collected at the Site were below the applicable guidelines.

The following exceedances of applicable guidelines were noted for soil sample metal concentrations:

- Arsenic in soil samples GA07-1 SA3 (24.3 mg/kg) and GA07-6 SA40 (16.8 mg/kg) exceeded the CCME guideline criteria of 12 mg/kg.
- Copper in soil samples GA07-5 SA31 (215 mg/kg) and GA07-6 SA40 (732 mg/kg) exceeded the CCME guideline criteria of 91 mg/kg.
- Lead in soil samples GA07-5 SA31 (1220 mg/kg) and GA07-6 SA40 (864 mg/kg) exceeded the CCME guideline criteria of 260 mg/kg.
- Copper in soil samples GA07-5 SA31 (362 mg/kg) and GA07-6 SA40 (781 mg/kg) exceeded the CCME guideline criteria of 360 mg/kg.

4.4 Liquid-Phase Hydrocarbons

No liquid phase hydrocarbons were detected in any of the monitoring wells during the June 14, 2007 monitoring.

4.5 Groundwater Quality

A summary of the groundwater analytical results is provided in Tables 5 through 7. Copies of the Laboratory Certificates of Analysis are included in Appendix II. Three

groundwater samples were submitted for chemical analysis of VOCs, PAHs and dissolved metals.

Concentrations of VOCs, PAHs and dissolved metals in all samples were below or at the laboratory detection limits.

5.0 DISCUSSION

The purpose of the Phase II ESA was to identify the presence or absence of subsurface soil and groundwater impacts related to former (rail yard) and current (trucking facilities) land use at the Site and surrounding area.

Concentrations of VOCs in all soil samples analyzed were below detection limits.

Concentrations of petroleum hydrocarbons, metals and one PAH parameter were detected at concentrations in excess of criteria in soil samples collected from the Site. With the exception of the arsenic in soil sample GA07-1 SA3, all exceedances of soil guideline criteria were detected in soil samples GA07-5 SA31, and GA07-6 SA40 and collected from soil material believed to be fill stockpiled in the eastern portion of the Site from previous CPR activities.

The results indicate that subsurface impacts are present within the soil stockpile present in the eastern portion of the Site. The soil stockpile at the Site is roughly outlined on Figure 2. The stockpiled area is divided into two parts, which are separated by a drainage ditch. Approximately 20,000 m³ of stockpiled soil would have to be removed to level the Site. Approximately 10,000 m³ of this soil is located south of the drainage ditch and approximately 10,000 m³ is located north of the drainage ditch..

The soil sample GA07-1 SA3 was collected from a depth where significant amount of cinders were observed in the soil. The origin of the cinders is likely from historical fill activities at the rail yard noted in the Phase I ESA.

Soil samples submitted for laboratory analysis from the vicinity of the former fuel UST noted in the Phase I ESA had no detectable hydrocarbon impacts.

Concentrations of VOCs, PAHs, and dissolved metals in all groundwater samples collected were below applicable guidelines.

6.0 LIMITATIONS AND USE

This report was prepared for the exclusive use of Fastfrate. Golder or its employees will not be responsible for any use of the information contained in this report, or any reliance on or decisions made based on it, by an unauthorized third party.

Our findings are based on data and information collected during the Site investigation, supported by data and information collected during previous site investigations. No assurance is made regarding changes in Site conditions subsequent to the dates of our investigations. Further, subsurface soil and groundwater conditions were determined at the borehole and groundwater well locations only. Conditions may change beyond and between the investigated locations.

If additional information is discovered in the future, including excavations, borings, or other studies, Golder should be requested to re-evaluate the conclusions presented in this report and provide appropriate amendments.

7.0 CLOSURE

We trust the above meet your present requirements. If you have any questions or require additional details, please contact the undersigned.

Yours truly,

GOLDER ASSOCIATES LTD.



Kevin Beechinor, BSc.
Environmental Specialist



Greg Misfeldt, P.Eng.
Principal, Senior Geotechnical Engineer

KB/GM/la

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TABLES

Table 1
Well Completion Details and Groundwater Conditions
Consolidate Fast Frate
Winnipeg, Manitoba

Well	Ground Elevation (m)	Top of Pipe Elevation (m)	Well Depth (mBGS)	Screened Interval Depth (m)			Screen Interval Elevation (m)			Lithology at Screen	June 14, 2007 Measurements			
											Depth to Free Product (mBTOC)	Depth to Water (mBTOC)	Apparent Free Product Thickness (mm)	Groundwater Elevation (m)
GA07-1	98.20	98.05	6.1	1.5	-	6.1	96.68	-	92.11	Silty clay, clay	--	0.73	--	97.32
GA07-4	98.17	98.06	4.6	1.5	-	4.6	96.67	-	93.57	Silty clay, silt, clay	--	0.75	--	97.31
GA07-6	100.11	100.00	6.1	1.5	-	6.1	98.61	-	94.01	Silty clay, Clayey Silt, silty clay	--	3.03	--	96.97

Prepared by: AH
Approved by: KWB

Notes:

mBGS - metres below ground surface

mBTOC - metres below top of casing

Table 2
Summary of Soil Chemistry Analyses - Petroleum Hydrocarbons and Metals
Consolidate Fast Frate
Winnipeg, Manitoba

Sample	GA07-01 SA3	GA07-02 SA11	GA07-03 SA18	GA07-04 SA24	GA07-05 SA31	GA07-06 SA40	CCME 2004 SQGs ¹ , CCME 2001 PHCs ² and CCME EQG ³
Depth (m)	1.67-1.82	2.1-2.28	1.21-1.37	1.21-1.37	1.52-2.1	0.6096 - 0.762	
Sample Collection Date	13-Jun-07	13-Jun-07	13-Jun-07	13-Jun-07	13-Jun-07	13-Jun-07	
Headspace Vapour (ppm)	1.7	1.9	20.7	1.9	1.7	1.4	
Parameter/Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Petroleum Hydrocarbons							
Benzene	<0.05	<0.05	<0.005	<0.05	<0.05	<0.05	0.28
Toluene	<0.01	<0.01	<0.05	<0.01	0.07	<0.01	330
Ethylbenzene	<0.01	<0.01	<0.02	<0.01	0.14	<0.01	430
Xylenes (total)	<0.05	0.04	<0.06	<0.03	0.28	<0.03	230
PHC F1 (C ₆ -C ₁₀)	<5	<5	<5	<5	6	<5	320
PHC F2 (C ₁₀ -C ₁₆)	<5	<5	<5	<5	920	7	260
PHC F3 (C ₁₆ -C ₃₄)	7	<5	9	16	18000	160	2500
PHC F4 (> C ₃₄)	<6	<5	<5	16	4000	<50	6600
Total Hydrocarbons (C6-C50)	12	<5	9	32	23000	220	ng
Metals							
Arsenic (As)	24.3	6.87	3.53	3.67	5.47	16.8	12
Barium (Ba)	72	102	206	95.5	274	1180	2000
Beryllium (Be)	0.56	1.16	0.25	0.42	0.23	<1	8
Cadmium (Cd)	0.25	1.38	0.15	0.14	1.58	2.56	22
Cobalt (Co)	5.53	10.7	6.48	6.5	4.93	7.55	300
Chromium (Cr)	24.7	28.8	15.1	19	23.1	24	87
Copper (Cu)	29.5	26.2	16.5	17.3	215	732	91
Molybdenum (Mo)	1.44	0.73	0.82	0.28	6.65	1.99	40
Nickel (Ni)	15.7	36.4	14.2	20.2	44.4	149	50
Lead (Pb)	23.5	23.8	47.5	25.8	1220	864	260
Selenium (Se)	0.7	0.6	0.1	<0.1	0.4	1.9	3.9
Thallium (Tl)	<1	0.4	<0.2	<0.2	<0.2	<1	1
Vanadium (V)	31.3	30.1	15.5	25.3	11.1	18.4	130
Zinc (Zn)	49	109	33	36	382	781	360
Silver (Ag)	<1	<1	<1	<1	<1	<1	40
Tin (Sn)	<4	<4	<4	<4	10	15	300
Uranium (U)	1.17	2.22	0.75	0.92	0.61	2.22	ng
Antimony (Sb)	<0.07	<0.07	<0.07	<0.07	13	5	40

Notes:

All Concentrations in mg/kg

1. Canadian Council of Ministers of the Environment (CCME) - Canadian Soil Quality Guidelines (SQGs) for the Protection of Environmental and Human Health for BTEX (vapour inhalation guideline for benzene and eco soil contact guideline for toluene, ethylbenzene and xylenes)

2. Canadian Council of Ministers of the Environment (CCME) Canada Wide Standards for Petroleum Hydrocarbons (PHCs) in Soil (2001, updated 2008).
Criteria for a industrial land use with fine grained surface soils (eco soil contact pathway).

3. Canadian Council of Ministers of the Environment (CCME) Environmental Quality Guidelines (EQGs) for Protection of Environmental and Human Health for Industrial land use (2006) and CCME Interim Remediation Criteria for Soil (1991).

Concentrations that are **Bold** exceed the guideline.

Headspace vapour concentrations are a measure of combustible headspace vapours using a Photoionization Detector (PID) calibrated to 100 ppm isobutylene.

Table 3
Summary of Soil Chemistry Analyses - VOCs
Consolidated Fast Frate
Winnipeg, Manitoba

Sample	MOE 2004 Table 3 Criteria ¹	GA07-01 SA3	GA07-02 SA11	GA07-03 SA18	GA07-04 SA24	GA07-05 SA31	GA07-06 SA40
Depth (m)		1.67-1.82	2.1-2.28	1.21-1.37	1.21-1.37	1.52-2.1	0.6096 - 0.762
Sample Collection Date		13-Jun-07	13-Jun-07	13-Jun-07	13-Jun-07	13-Jun-07	13-Jun-07
Parameter		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	0.12	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1,1,1-Trichloroethane	34	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1,1,2,2-Tetrachloroethane	0.23	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1,1,2-Trichloroethane	3.1	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1,1-Dichloroethane	140	<0.005	<0.005	<0.005	<0.005	<0.03	<0.005
1,1-Dichloroethylene	0.015	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
1,2-Dibromoethane	ng	<0.005	<0.005	<0.005	<0.005	<0.03	<0.005
1,2-Dichlorobenzene	30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
1,2-Dichloroethane	0.14	<0.005	<0.005	<0.005	<0.005	<0.03	<0.005
1,2-Dichloropropane	0.12	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
1,3-Dichlorobenzene	30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
1,4-Dichlorobenzene	30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
2-Hexanone	ng	<0.2	<0.2	<0.2	<0.2	<1	<0.2
Acetone	ng	<0.5	<0.5	<0.5	<0.5	<3	<0.5
Bromodichloromethane	25	<0.005	<0.02	<0.005	<0.005	<0.1	<0.005
Bromoform	25	<0.05	<0.05	<0.05	<0.05	<0.03	<0.05
Bromomethane	14	<0.03	<0.03	<0.03	<0.03	<0.3	<0.03
Carbon Disulfide	ng	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
Carbon Tetrachloride	ng	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
Chlorobenzene	0.64	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
Chloroethane	30	<0.03	<0.03	<0.03	<0.03	<0.2	<0.03
Chloroform	4.9	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
Chloromethane	ng	<0.03	<0.03	<0.03	<0.03	<0.2	<0.03
cis-1,2-Dichloroethylene	2.3	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
cis-1,3-Dichloropropene	0.041	<0.005	<0.005	<0.005	<0.005	<0.03	<0.005
Dibromochloromethane	18	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
Dichlorodifluoromethane	ng	<0.03	<0.03	<0.03	<0.03	<0.2	<0.03
Dichloromethane	1000	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1
MTBE	38	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2
Methyl ethyl ketone	40	<0.2	<0.2	<0.2	<0.2	<1	<0.2
Methyl isobutyl ketone	0.45	<0.2	<0.2	<0.2	<0.2	<1	<0.2
Styrene	ng	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
Tetrachloroethylene	0.45	<0.02	<0.05	<0.02	<0.02	<0.1	<0.02
trans-1,2-Dichloroethylene	4.1	<0.06	<0.05	<0.06	<0.06	<0.3	<0.06
trans-1,3-Dichloropropene	ng	<0.005	<0.06	<0.005	<0.005	<0.03	<0.005
Trichloroethylene	3.9	<0.05	<0.005	<0.05	<0.05	<0.3	<0.05
Trichlorofluoromethane	ng	<0.03	<0.03	<0.03	<0.03	<0.2	<0.03
Trihalomethanes (total)	ng	<0.06	<0.11	<0.11	<0.06	<0.11	<0.06
Vinyl Chloride	0.0075	<0.003	<0.003	<0.003	<0.003	<0.02	<0.003

Prepared by: AH
Approved by: KVB

Notes:

All Concentrations in mg/kg.

1. Ontario Ministry of the Environment Soil, Groundwater and Sediment Standards for Use Under Part XV 1 of the Environmental Protection Act, 2004 - Table 3 full depth generic site condition criteria for Industrial/ Commercial/ Community property use with medium and fine textured soils and non-potable ground water.

ng - No guideline specified.

Concentrations that are **Bold** exceed the applicable criterion.

Table 4
Summary of Soil Chemical Analysis Results for PAHs
Consolidated Fastfrate
Winnipeg, Manitoba

Sample	GA07-01 SA3	GA07-02 SA11	GA07-03 SA18	GA07-04 SA24	GA07-05 SA31	GA07-06 SA40	Guideline
Depth (m)	1.67-1.82	2.1-2.28	1.21-1.37	1.21-1.37	1.52-2.1	0.61 - 0.76	CCME ¹
Sample Collection Date	13-Jun-07	13-Jun-07	13-Jun-07	13-Jun-07	13-Jun-07	13-Jun-07	
Headspace Organic Vapour (ppm)	1.9	1.9	1.4	1.7	20.7	1.7	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
<i>Polyaromatic Hydrocarbons</i>							
Acenaphthene	<0.01	<0.01	<0.01	<0.01	13.0	0.09	ng
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	2.1	0.26	ng
Anthracene	<0.01	<0.01	<0.01	<0.01	38.0	0.52	ng
Benzo(a)anthracene	<0.01	<0.01	0.01	<0.01	8.7	1.60	10
Benzo(a)pyrene	<0.01	<0.01	0.01	<0.01	8.6	2.10	0.7
Benzo(b)fluoranthene	<0.01	<0.01	0.01	<0.01	11.0	2.70	10
Benzo(ghi)perylene	<0.01	<0.01	0.01	<0.01	7.4	1.50	ng
Benzo(k)fluoranthene	<0.01	<0.01	<0.01	<0.01	3.3	1.10	10
Chrysene	<0.01	<0.01	0.01	<0.01	12.0	1.90	ng
Dibenzo(a,h)anthracene	<0.01	<0.01	<0.01	<0.01	1.4	0.58	10
Fluoranthene	<0.01	<0.01	0.02	<0.01	33.0	2.70	ng
Fluorene	<0.01	<0.01	<0.01	<0.01	15.0	0.16	ng
Indeno(1,2,3-cd)pyrene	<0.01	<0.01	0.01	<0.01	7.2	1.70	10
Naphthalene	0.03	0.01	<0.01	<0.01	9.6	0.14	22
1-Methyl Naphthalene	0.04	0.01	<0.01	<0.01	0.5	0.13	ng
2-Methyl Naphthalene	0.08	0.03	<0.01	<0.01	0.2	0.22	ng
Phenanthrene	0.04	0.03	0.01	<0.01	48.0	1.30	50
Pyrene	<0.01	<0.01	0.02	<0.01	35.0	2.80	100

Notes:

All concentrations in mg/kg.

1. Canadian Council of Ministers of the Environment (CCME) Environmental Quality Guidelines (EQGs) for Protection of Environmental and Human Health for Industrial land use (2006) and CCME Interim Remediation Criteria for Soil (1991).

ng - No guideline specified.

Concentrations that are **Bold** exceed applicable guidelines.

Table 5
Summary of Groundwater Chemistry Analyses - Dissolved Metals
Consolidated Fast Frate
Winnipeg, Manitoba

Date Sampled	MOE 2004 Non-potable ¹	Well ID/ Sampling Date/ Results		
		GA07-01	GA07-04	GA07-06
		13-Jun-07	13-Jun-07	13-Jun-07
<i>Dissolved Metals</i>				
Aluminum (Al)-Dissolved	ng	<20	<20	<20
Arsenic (As)-Dissolved	480	3.8	26.6	7.1
Boron (B)-Dissolved	50000	520	730	2820
Barium (Ba)-Dissolved	23000	43.7	21.4	41.7
Beryllium (Be)-Dissolved	53	1	1	1
Bismuth (Bi)-Dissolved	ng	<0.3	<0.3	<0.3
Calcium (Ca)-Dissolved	ng	457000	325000	255000
Cadmium (Cd)-Dissolved	11	<0.2	<0.2	<0.2
Cobalt (Co)-Dissolved	100	4.8	8.6	4.8
Chromium (Cr)-Dissolved	110	<1	<1	<1
Cesium (Cs)-Dissolved	ng	<0.1	<0.1	<0.1
Copper (Cu)-Dissolved	23	8.3	8.8	5.9
Iron (Fe)-Dissolved	ng	32900	7660	370
Potassium (K)-Dissolved	ng	7650	9550	27500
Magnesium (Mg)-Dissolved	ng	291000	554000	436000
Manganese (Mn)-Dissolved	ng	1.13	0.625	1.29
Mercury (Hg)-Dissolved	0.12	<0.2	<0.2	<0.2
Molybdenum (Mo)-Dissolved	7300	3	1.2	100
Sodium (Na)-Dissolved	ng	164000	493000	380000
Nickel (Ni)-Dissolved	1600	11.2	18	19.8
Phosphorus (P)-Dissolved	ng	<20	<20	<20
Lead (Pb)-Dissolved	32	0.2	0.3	0.8
Rubidium (Rb)-Dissolved	ng	4.7	1.7	5.7
Antimony (Sb)-Dissolved	16000	1	<1	30
Selenium (Se)-Dissolved	50	4	6	3
Silicon (Si)-Dissolved	ng	10100	5500	7200
Tin (Sn)-Dissolved	ng	<0.3	<0.3	0.3
Strontium (Sr)-Dissolved	ng	1030	3360	1560
Tellurium (Te)-Dissolved	ng	<0.5	<0.5	<0.5
Titanium (Ti)-Dissolved	ng	15.1	22.5	13.6
Thallium (Tl)-Dissolved	400	17.5	7.8	6.6
Uranium (U)-Dissolved	ng	11.6	8.7	12.3
Vanadium (V)-Dissolved	200	7	19	24
Tungsten (W)-Dissolved	ng	<0.2	<0.2	12.8
Zinc (Zn)-Dissolved	1100	26	20	109
Zirconium (Zr)-Dissolved	ng	0.6	8.3	6

Notes:

Highlighted concentrations exceed guideline criteria.

ng = No Value or Standard prescribed

all concentrations in µg/L

1. Ontario Ministry of the Environment Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, 2004 - Table 3 full depth generic site condition criteria for all property uses with c textured soils and non-potable ground water.

Table 6
Summary of Groundwater Chemistry Analyses
Consolidate Fast Frate
Winnipeg, Manitoba

	MDL	MOE 2004 Table 3 Criteria ¹			
			GA07-01	GA07-04	GA-07-06
			13-Jun-07	13-Jun-07	13-Jun-07
Volatile Organics					
1,1 - Dichloroethane	0.5	50,000	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	0.5	38	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	0.5	200	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	140	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5	5.0	<0.5	<0.5	<0.5
1,1-Dichloroethylene	0.5	4.1	<0.5	<0.5	<0.5
1,2-Dibromoethane	0.5	ng	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	0.5	3.0	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5	5.0	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5	5.0	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5	630	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5	1.0	<0.5	<0.5	<0.5
2-Hexanone	20	ng	<20	<20	<20
Acetone	20	3,000	<20	<20	<20
Benzene	0.5	5.0	<0.5	<0.5	<0.5
Bromodichloromethane	0.5	5.0	<0.5	<0.5	<0.5
Bromoform	0.5	5.0	<0.5	<0.5	<0.5
Bromomethane	1	10	<1	<1	<1
Carbon disulfide	0.5	ng	<0.5	<0.5	<0.5
Carbon tetrachloride	0.5	5.0	<0.5	<0.5	<0.5
Chlorobenzene	0.5	30	<0.5	<0.5	<0.5
Chloroethane	1	ng	<1	<1	<1
Chloroform	0.5	5.0	<0.5	<0.5	<0.5
Chloromethane	1	ng	<1	<1	<1
cis-1,2-Dichloroethylene	0.5	70	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	24	<0.5	<0.5	<0.5
Dibromochloromethane	0.5	5.0	<0.5	<0.5	<0.5
Dichlorodifluoromethane	1	ng	<1	<1	<1
Dichloromethane	0.5	ng	<0.5	<0.5	<0.5
Ethylbenzene	0.5	2.4	<0.5	<0.5	<0.5
m+p-Xylenes	1	ng	<1	<1	<1
Methyl Ethyl Ketone	20	350	<20	<20	<20
Methyl Isobutyl Ketone	20	350	<20	<20	<20
MTBE	0.5	700	<0.5	<0.5	<0.5
o-Xylene	0.5	ng	<0.5	<0.5	<0.5
Styrene	0.5	100	<0.5	<0.5	<0.5
Tetrachloroethylene	0.5	5.0	<0.5	<0.5	<0.5
Toluene	0.5	24	<0.5	<0.5	<0.5
trans-1,2-Dichloroethylene	0.5	100	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	24	<0.5	<0.5	<0.5
Trichloroethylene	0.5	50	<0.5	<0.5	<0.5
Trichlorofluoromethane	1	ng	<1	<1	<1
Trihalomethanes (total)	2	ng	<2.0	<2.0	<2.0
Vinyl chloride	0.5	1.3	<0.5	<0.5	<0.5

Prepared by: AH
Approved by: KB

Notes:

Highlighted concentrations exceed guideline criteria.
-- = No Value or Standard prescribed
All concentrations in µg/L
MDL - Method Detection Limit

1. Ontario Ministry of the Environment Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, 2004 - Table 3 full depth generic site condition criteria for Industrial/ Commercial/ Community property use with medium and fine textured soils and non-potable ground water

Table 7
Summary of Groundwater Chemical Analyses Results for PAHs
Consolidated Fast Frate
Winnipeg, Manitoba

Sample Number	GA07-1	GA07-4	GA07-6	MOE 2004 ¹
Sample Collection Date	13-Jun-07	13-Jun-07	13-Jun-07	
1-Methyl Naphthalene	0.06	<0.05	<0.05	ng
2-Methyl Naphthalene	0.09	<0.05	<0.05	ng
Acenaphthene	<0.05	<0.05	<0.05	1700
Acenaphthylene	<0.05	<0.05	<0.05	2000
Anthracene	<0.01	0.03	0.01	12
Benzo(a)anthracene	0.02	0.04	0.02	5
Benzo(a)pyrene	0.01	0.05	0.02	1.9
Benzo(b)fluoranthene	0.02	0.08	0.03	7
Benzo(ghi)perylene	0.01	0.04	0.02	0.2
Benzo(k)fluoranthene	<0.01	0.02	0.01	0.4
Chrysene	<0.05	<0.05	<0.05	3
Dibenzo(ah)anthracene	<0.01	0.02	<0.01	0.25
Fluoranthene	0.02	0.07	0.03	130
Fluorene	<0.05	<0.05	<0.05	290
Indeno(1,2,3 cd)pyrene	0.01	0.05	0.02	0.27
Naphthalene	<0.05	<0.05	<0.05	6200
Phenanthrene	0.04	0.06	0.02	63
Pyrene	0.02	0.07	0.03	40

Notes:

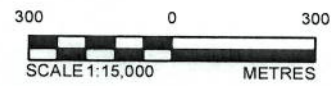
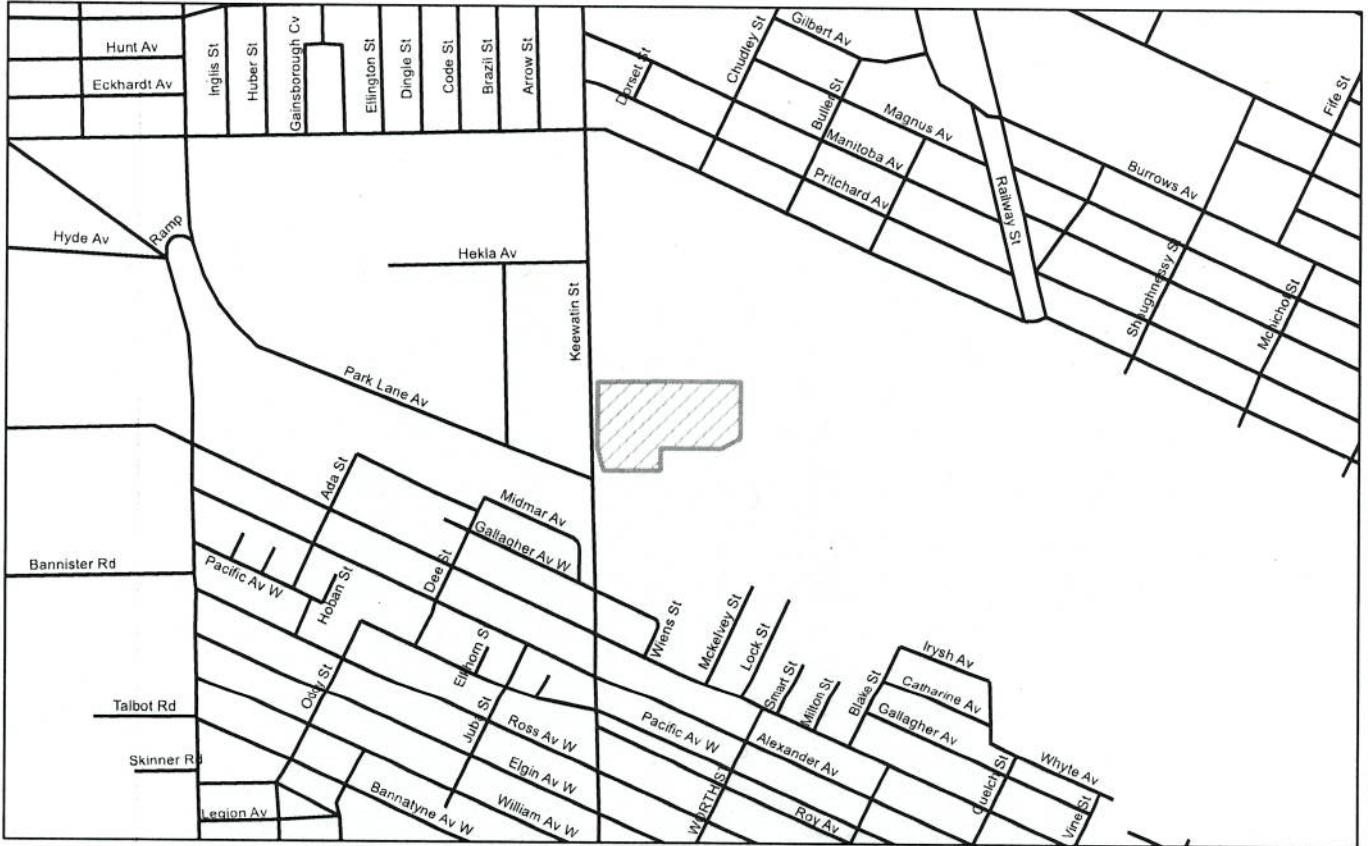
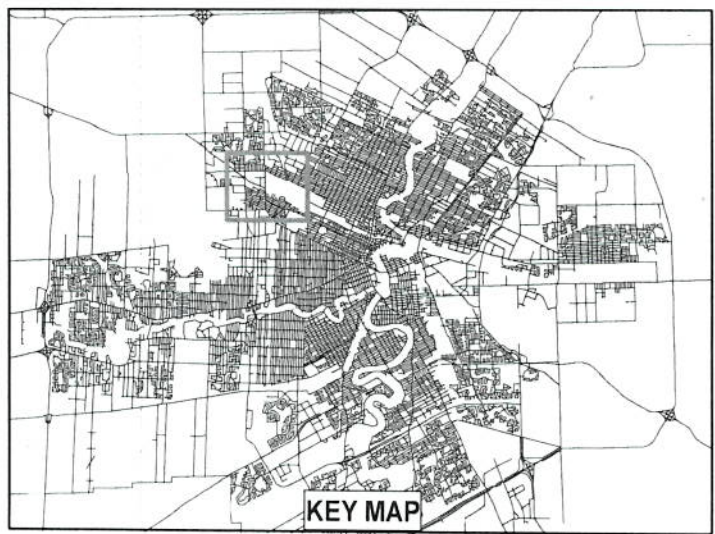
All concentrations in µg/L

1. Ontario Ministry of the Environment Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, 2004 - Table 3 full depth generic site condition criteria for Industrial/ Commercial/ Community property use with medium and fine textured soils and non-potable ground water.

ng - No guideline specified.

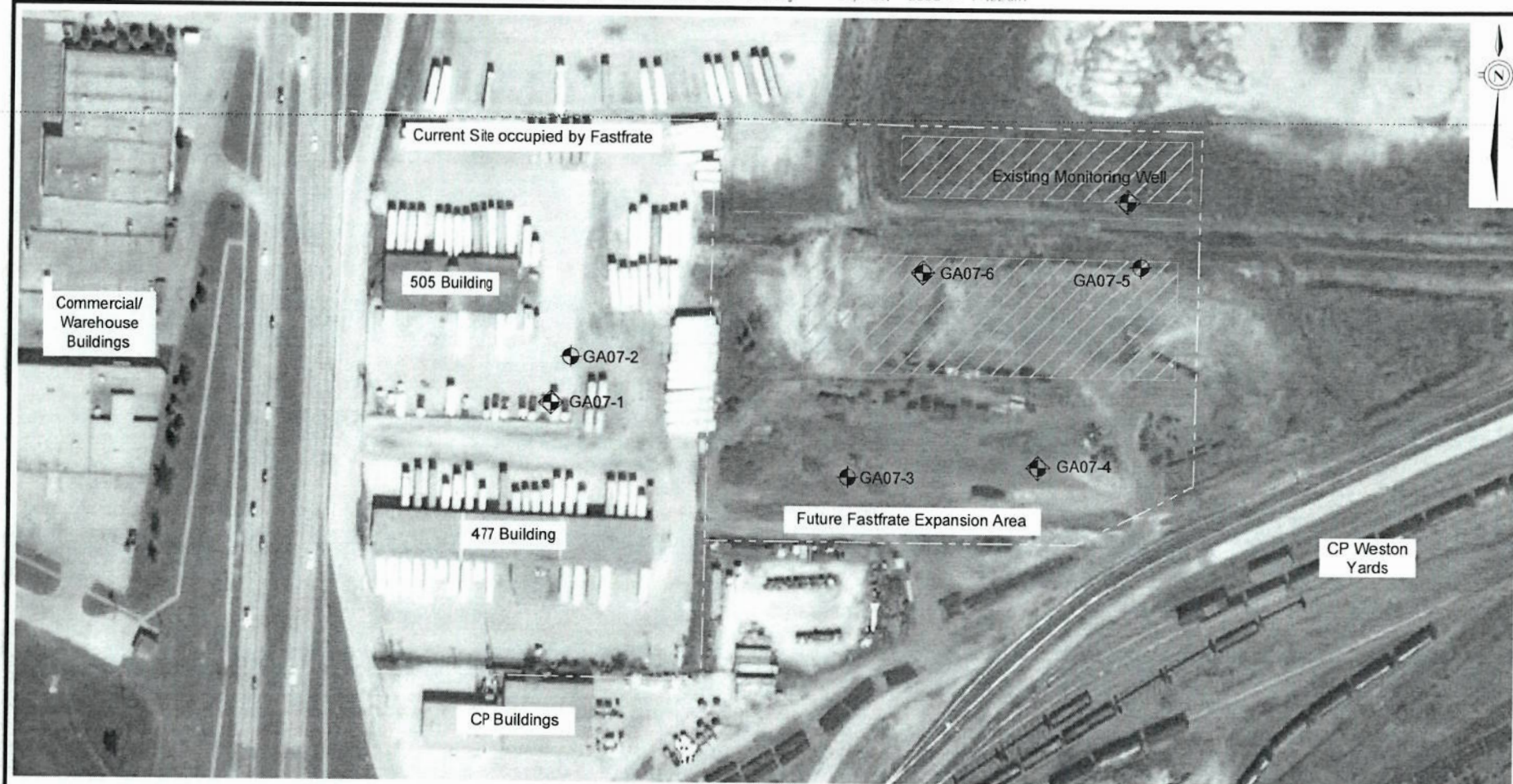
Concentrations that are **Bold** exceed the guideline.

FIGURES



PROJECT		CONSOLIDATED FASTFRATE PHASE II ESA WINNIPEG, MANITOBA	
TITLE		SITE LOCATION PLAN	
 Golder Associates Saskatoon, Saskatchewan	PROJECT	07-1380-0030	FILE No.
	DESIGN	JRC/AND	12/02/08
	CHECK	CB	12/02/08
	REVIEW	KB	12/02/08
		SCALE	REV 0
FIGURE: 1			

G:\2007\1380\07-1380-0030 Consolidated Fastfreight Winnipeg\GIS\07-1380-0030 Site Location Plan Winnipeg.mxd



40 0 40
SCALE 1:2,000 METRES

Legend	
	Property Boundary
	Drainage Ditch
	Monitoring Well
	Borehole
	Approximate Extent of Fill

PROJECT		CONSOLIDATED FASTFRATE PHASE II ESA WINNIPEG, MANITOBA	
TITLE		SITE PLAN 477 AND 505 KEEWATIN STREET	
 Golder Associates Saskatoon, Saskatchewan	PROJECT	FILE No.	
	DESIGN	SCALE AS SHOWN REV 0	
	CADD	GNS/SIB	30/09/08
	CHECK	CB	30/09/08
	REVIEW	KB	30/09/08
FIGURE: 2			

APPENDIX I
RECORD OF BOREHOLE LOGS

PROJECT: 07-1380-0030

RECORD OF BOREHOLE: GA07-1

SHEET 1 OF 1

LOCATION: SOUTH SIDE OF FORMER UST

BORING DATE: 06/13/07

DATUM:

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		PID READINGS ppm		HYDRAULIC CONDUCTIVITY, k, cm/s		ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		DESCRIPTION	STRATA PLOT ELEV. DEPTH (m)	NUMBER	TYPE	10	20	10 ⁻⁶	10 ⁻⁵		
						30	40	10 ⁻⁴	10 ⁻³		
						100	200	10	20		
								Wp	W		
0		GROUND SURFACE									
		Loose, dry, light brown SAND and GRAVEL (FILL)	0.00								
				1	DO	⊕					BENTONITE
1		Compact, moist, dark grey SILTY CLAY	0.76								
				2	DO	⊕					
		Compact, moist, black CINDERS, trace silty clay	1.52								SAND
				3	DO	⊕					
2		Very soft, moist, light brown CLAYEY SILT	1.83								
		Compact, moist, grey SILTY CLAY	1.98								
				4	DO	⊕					SCREEN
3		Very soft, moist, light brown CLAY, some silt	2.90								
				5	DO	⊕					
4		Compact to firm, moist, grey CLAY, some silt	3.66								
				6	DO	⊕					
5											
				7	DO	⊕					SLOUGH
6											
				8	DO	⊕					
		END OF BOREHOLE = 6.10m	6.10								
7											
8											
9											
10											

DEPTH SCALE

1 : 50'



LOGGED: KB/CB/AH

CHECKED: K.B.

BOREHOLE 07-1380-0030-BOREHOLES GPJ GLDR LON GDT 09/29/08

PROJECT: 07-1380-0030

RECORD OF BOREHOLE: GA07-2

SHEET 1 OF 1

LOCATION: EAST SIDE OF FORMER UST

BORING DATE: 06/13/07

DATUM:

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		PID READINGS ppm		HYDRAULIC CONDUCTIVITY, k, cm/s		ADDITIONAL LAB TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		DESCRIPTION	STRATA PLOT ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	ppm	10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³	WATER CONTENT PERCENT Wp — W — Wi		
0	CANTERRA CT250 TRUCK MOUNTED 152mm DIA. SOLID STEM	GROUND SURFACE	0.00								
		Loose, dry, light brown SAND and GRAVEL		9	DO	⊕					
1		Firm, moist, dark grey SILTY CLAY	1.07	10	DO	⊕					
2		Compact, wet, black CINDERS	2.13	11	DO	⊕					
		Soft, moist, brown SILTY CLAY	2.44								
3				12	DO	⊕					
4				13	DO	⊕					
				14	DO	⊕					
5				15	DO	⊕					
6				16	DO	⊕					
		END OF BOREHOLE = 6.10m	6.10								
7											
8											
9											
10											

DEPTH SCALE

1 : 50



LOGGED: KB/CB/AH

CHECKED: K.B.

BOREHOLE 07-1380-0030-BOREHOLES GPJ GLDR LDN GDT 09/29/08

PROJECT: 07-1380-0030

RECORD OF BOREHOLE: GA07-3

SHEET 1 OF 1

LOCATION:

BORING DATE: 06/13/07

DATUM:

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		PID READINGS ppm		HYDRAULIC CONDUCTIVITY, k, cm/s		ADDITIONAL LAB TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		DESCRIPTION	STRATA PLOT ELEV. DEPTH (m)	NUMBER	TYPE	10 20 30 40	10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³	WATER CONTENT PERCENT Wp — W — Wi			
0	CANTERRA CT250 TRUCK MOUNTED 152mm DIA. SOLID STEM	GROUND SURFACE	0.00								
		Firm, moist, black CLAY, some sand									
1				17	DO	⊕					
		Soft, dry, light brown CLAYEY SILT	1.07								
				18	DO	⊕					
2											
		Very soft, moist, light brown CLAYEY SILT	2.13								
				19	DO	⊕					
3											
				20	DO	⊕					
				21	DO	⊕					
4		Stiff, dry, light brown SILTY CLAY	3.66								
				22	DO	⊕					
5		?	4.57								
6		END OF BOREHOLE = 6.10m	6.10								
7											
8											
9											
10											

DEPTH SCALE

1 : 50



LOGGED: KB/CB/AH

CHECKED: K.B.

BOREHOLE 07-1380-0030-BOREHOLES.GPJ GLDR LDN.GDT 09/29/08

PROJECT: 07-1380-0030

RECORD OF BOREHOLE: GA07-4

SHEET 1 OF 1

LOCATION:

BORING DATE: 06/13/07

DATUM:

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		PID READINGS ppm		HYDRAULIC CONDUCTIVITY, k, cm/s		ADDITIONAL LAB TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		DESCRIPTION	STRATA PLOT ELEV DEPTH (m)	NUMBER	TYPE	10	20	10 ⁻⁶	10 ⁻⁵		
						100	200	10	20		
0		GROUND SURFACE									
		Soft, dry, black CLAYEY SILT	0.00								
				23	DO	⊕					
1		Firm, dry, light brown CLAYEY SILT	1.09								
				24	DO	⊕					
2		Soft, dry, light brown SILTY CLAY	2.13								
		Firm, dry, dark brown CLAY	2.44								
				25	DO	⊕					
				26	DO	⊕					
3											
		Firm, dry, black CLAYEY SILT	3.66								
				27	DO	⊕					
4		Soft, moist, black CLAY	3.96								
				28	DO	⊕					
		END OF BOREHOLE = 4.57m	4.57								
5											
6											
7											
8											
9											
10											

DEPTH SCALE

1 : 50



LOGGED: KB/CB/AH

CHECKED: K.B.

BOREHOLE 07-1380-0030-BOREHOLES.GPJ GLDR LDN.GDT 09/29/08

PROJECT: 07-1380-0030

RECORD OF BOREHOLE: GA07-5

SHEET 1 OF 1

LOCATION:

BORING DATE: 06/13/07

DATUM:

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		PID READINGS ppm		HYDRAULIC CONDUCTIVITY, k, cm/s		ADDITIONAL LAB TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		DESCRIPTION	STRATA PLOT ELEV. DEPTH (m)	NUMBER	TYPE	10 20 30 40	10 20 30 40	10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³	10 20 30 40		
0		GROUND SURFACE									
		Hard, dry, black SILTY CLAY	0.00								
1				29	DO	⊕					
		Soft, moist, black SILTY CLAY	1.07	30	DO	⊕					
2		Soft, moist, black SILTY CLAY - organic odour	1.52	31	DO	⊕					
		Soft, moist, light brown CLAY, some cobbles (FILL)	2.13	32	DO	⊕					
3		Moist, grey CLAY, trace sand - organic odour	3.05								
				33	DO	⊕					
4		Soft, wet, light brown CLAY, some silt	3.96								
				34	DO	⊕					
5		Stiff, moist, brown CLAY, some silt	4.57	35	DO	⊕					
				36	DO	⊕					
6		Soft, moist, light brown SILT, some clay	5.79	37	DO	⊕					
				38	DO	⊕					
7		END OF BOREHOLE = 6.70m	6.70								
8											
9											
10											

DEPTH SCALE

1 : 50



LOGGED: KB/CB/AH

CHECKED: K.B.

BOREHOLE 07-1380-0030-BOREHOLES.GPJ GLDR LDN.GDT 09/29/08

PROJECT: 07-1380-0030

RECORD OF BOREHOLE: GA07-6

SHEET 1 OF 1

LOCATION: SOUTH SIDE OF DRAINAGE DITCH NEAR FENCE

BORING DATE: 06/13/07

DATUM:

SAMPLER HAMMER, 64kg; DROP, 760mm

PENETRATION TEST HAMMER, 64kg; DROP, 760mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES			PID READINGS		HYDRAULIC CONDUCTIVITY, k, cm/s		ADDITIONAL LAB TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	ppm		10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³			
								ppm		WATER CONTENT PERCENT Wp ——— W ——— Wl			
								100 200 300 400	10 20 30 40			6	
0	CANTERRA CT250 TRUCK MOUNTED 152mm DIA. SOLID STEM	GROUND SURFACE											
		Firm, moist, dark grey SILTY CLAY, some light brown sand, trace gravel (FILL)		0.00									
					39		⊕					BENTONITE	
1					40		⊕					SAND	
					41		⊕						
2			Loose, moist, light brown SILT, trace sand and gravel		2.29								
					42		⊕						
3			Soft, moist, dark grey SILTY CLAY - organic odour		3.05								
					43		⊕					SCREEN	
4			Soft, moist, light brown CLAYEY SILT		3.66								
				44		⊕							
5		Firm, moist, dark brown SILTY CLAY		4.88									
				45		⊕							
6				46		⊕							
		END OF BOREHOLE = 6.10m		6.10									
7													
8													
9													
10													

DEPTH SCALE

1 : 50



LOGGED: KB/CB/AH

CHECKED: K.B.

BOREHOLE 07-1380-0030-BOREHOLES.GPJ GLDR LDN.GDT 09/29/08

APPENDIX II
SOIL AND GROUNDWATER CERTIFICATES OF ANALYSIS

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



Environmental Division

ANALYTICAL REPORT

GOLDER ASSOCIATES LTD

ATTN: KEVIN BEECHINOR

Unit 6 - 5 Scurfield Blvd

WINNIPEG MB R3Y 1G6

Reported On: 22-JUN-07 02:46 PM

Lab Work Order #: L517654

Date Received: 14-JUN-07

Project P.O. #:

Job Reference: 07-1380-0030

Legal Site Desc:

CofC Numbers:

Other Information:

Comments:

APPROVED BY:

PAUL NICOLAS

Project Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY.
ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU
REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

Manitoba Technology Centre Ltd.

Part of the **ALS Laboratory Group**

1329 Niakwa Road East, Unit 12, Winnipeg, MB R2J 3T4

Phone: +1 204 255 9720 Fax: +1 204 255 9721 www.alsglobal.com

A Campbell Brothers Limited Company

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-1 SA-40								
Sampled By: CLIENT on 13-JUN-07								
Matrix: SOIL								
CCME BTEX + F1-F4								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg		21-JUN-07		
F1-BTEX	<5		5	mg/kg		21-JUN-07		
F2 (C10-C16)	7		5	mg/kg		21-JUN-07		
F3 (C16-C34)	160		5	mg/kg		21-JUN-07		
F4 (C34-C50)	48		5	mg/kg		21-JUN-07		
Total Hydrocarbons (C6-C50)	220		5	mg/kg		21-JUN-07		
Chromatogram to baseline at nC50	YES					21-JUN-07		
CCME Total Extractable Hydrocarbons								
Prep/Analysis Dates					19-JUN-07	21-JUN-07	THT	R538185
CCME BTEX								
Benzene	<0.005		0.005	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Toluene	<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Ethylbenzene	<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
o-Xylene	<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes, m+p	<0.02		0.02	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes	<0.03		0.03	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
CCME Metals								
Mercury Total								
Mercury (Hg)-Total	8.45		0.02	mg/kg	18-JUN-07	19-JUN-07	TEP	R538267
CCME Metals								
Silver (Ag)	<1		1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Arsenic (As)	16.8		0.03	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Barium (Ba)	1180	RAMB	0.04	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Beryllium (Be)	0.71		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cadmium (Cd)	2.56		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cobalt (Co)	7.55	RAMB	0.01	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Chromium (Cr)	24.0		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Copper (Cu)	732		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Molybdenum (Mo)	1.99		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Nickel (Ni)	149	RAMB	0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Lead (Pb)	864		0.05	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Antimony (Sb)	5.31		0.07	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Selenium (Se)	1.9		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Tin (Sn)	15		4	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Thallium (Tl)	0.5		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Uranium (U)	2.22		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Vanadium (V)	18.4		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Zinc (Zn)	781		2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
% Moisture	14.2		0.5	%	18-JUN-07	18-JUN-07	SN	R536934
Volatile Organics								
1,1,1,2-Tetrachloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2,2-Tetrachloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,1-Trichloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2-Trichloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethylene	<0.002		0.002	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dibromoethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichloroethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-1	SA-40								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
Volatile Organics									
	1,2-Dichloropropane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,3-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,4-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	2-Hexanone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Acetone	<0.5		0.5	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromodichloromethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromoform	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromomethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon Disulfide	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon tetrachloride	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroform	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dibromochloromethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichlorodifluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichloromethane	<0.1		0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Ethyl Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	MTBE	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	m+p-Xylenes	<0.04		0.04	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Ethyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Isobutyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	o-Xylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Styrene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Tetrachloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Toluene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,2-Dichloroethylene	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichloroethylene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichlorofluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trihalomethanes (total)	<0.11		0.11	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Vinyl chloride	<0.003		0.003	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Xylenes (Total)	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Surr:	1,2-Dichloroethane d4	91		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	Toluene-d8	91		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	4-Bromofluorobenzene	102		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
EPA PAH									
	Acenaphthene	0.09		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Acenaphthylene	0.26		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Anthracene	0.52		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)anthracene	1.6		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)pyrene	2.1		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(b)fluoranthene	2.7		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(ghi)perylene	1.5		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(k)fluoranthene	1.1		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Chrysene	1.9		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Dibenzo(ah)anthracene	0.58		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-1	SA-40								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
EPA PAH									
	Fluoranthene	2.7		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Fluorene	0.16		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Indeno(1,2,3 cd)pyrene	1.7		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Naphthalene	0.14		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	1-Methyl Naphthalene	0.13		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	2-Methyl Naphthalene	0.22		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Phenanthrene	1.3		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Pyrene	2.8		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	2-Fluorobiphenyl Surr	88		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Nitrobenzene Surr	76		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Terphenyl Surr	96		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-2 SA-3									
Sampled By: CLIENT on 13-JUN-07									
Matrix: SOIL									
CCME BTEX + F1-F4									
CCME Total Hydrocarbons									
F1 (C6-C10)		<5		5	mg/kg		21-JUN-07		
F1-BTEX		<5		5	mg/kg		21-JUN-07		
F2 (C10-C16)		<5		5	mg/kg		21-JUN-07		
F3 (C16-C34)		7		5	mg/kg		21-JUN-07		
F4 (C34-C50)		5		5	mg/kg		21-JUN-07		
Total Hydrocarbons (C6-C50)		12		5	mg/kg		21-JUN-07		
Chromatogram to baseline at nC50		YES					21-JUN-07		
CCME Total Extractable Hydrocarbons									
Prep/Analysis Dates						19-JUN-07	21-JUN-07	THT	R538185
CCME BTEX									
Benzene		<0.005		0.005	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Toluene		<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Ethylbenzene		<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
o-Xylene		0.02		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes, m+p		<0.02		0.02	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes		0.04		0.03	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
CCME Metals									
Mercury Total									
Mercury (Hg)-Total		0.03		0.02	mg/kg	18-JUN-07	19-JUN-07	TEP	R538267
CCME Metals									
Silver (Ag)		<1		1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Arsenic (As)		24.3		0.03	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Barium (Ba)		72.0	RAMB	0.04	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Beryllium (Be)		0.56		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cadmium (Cd)		0.25		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cobalt (Co)		5.53	RAMB	0.01	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Chromium (Cr)		24.7		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Copper (Cu)		29.5		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Molybdenum (Mo)		1.44		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Nickel (Ni)		15.7	RAMB	0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Lead (Pb)		23.5		0.05	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Antimony (Sb)		<0.07		0.07	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Selenium (Se)		0.7		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Tin (Sn)		<4		4	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Thallium (Tl)		0.5		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Uranium (U)		1.17		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Vanadium (V)		31.3		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Zinc (Zn)		49		2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
% Moisture		26.7		0.5	%	18-JUN-07	18-JUN-07	SN	R536934
Volatile Organics									
1,1,1,2-Tetrachloroethane		<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2,2-Tetrachloroethane		<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,1-Trichloroethane		<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2-Trichloroethane		<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethane		<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethylene		<0.002		0.002	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dibromoethane		<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichlorobenzene		<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichloroethane		<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-2	SA-3								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
Volatile Organics									
	1,2-Dichloropropane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,3-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,4-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	2-Hexanone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Acetone	<0.5		0.5	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromodichloromethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromoform	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromomethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon Disulfide	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon tetrachloride	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroform	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dibromochloromethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichlorodifluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichloromethane	<0.1		0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Ethyl Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	MTBE	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	m+p-Xylenes	<0.04		0.04	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Ethyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Isobutyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	o-Xylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Styrene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Tetrachloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Toluene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,2-Dichloroethylene	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichloroethylene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichlorofluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trihalomethanes (total)	<0.11		0.11	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Vinyl chloride	<0.003		0.003	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Xylenes (Total)	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Surr:	1,2-Dichloroethane d4	97		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	Toluene-d8	89		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	4-Bromofluorobenzene	104		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
EPA PAH									
	Acenaphthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Acenaphthylene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)pyrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(b)fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(ghi)perylene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(k)fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Chrysene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Dibenzo(ah)anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-2	SA-3								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
EPA PAH									
	Fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Fluorene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Indeno(1,2,3 cd)pyrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Naphthalene	0.03		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	1-Methyl Naphthalene	0.04		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	2-Methyl Naphthalene	0.08		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Phenanthrene	0.04		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Pyrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	2-Fluorobiphenyl Surr	82		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Nitrobenzene Surr	72		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Terphenyl Surr	96		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-3 SA-31								
Sampled By: CLIENT on 13-JUN-07								
Matrix: SOIL								
CCME BTEX + F1-F4								
CCME Total Hydrocarbons								
F1 (C6-C10)	6		5	mg/kg		21-JUN-07		
F1-BTEX	6		5	mg/kg		21-JUN-07		
F2 (C10-C16)	920		5	mg/kg		21-JUN-07		
F3 (C16-C34)	18000		5	mg/kg		21-JUN-07		
F4 (C34-C50)	4000		5	mg/kg		21-JUN-07		
Total Hydrocarbons (C6-C50)	23000		5	mg/kg		21-JUN-07		
Chromatogram to baseline at nC50	YES					21-JUN-07		
CCME Total Extractable Hydrocarbons								
Prep/Analysis Dates					19-JUN-07	21-JUN-07	THT	R538185
CCME BTEX								
Benzene	0.020		0.005	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Toluene	0.07		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Ethylbenzene	0.14		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
o-Xylene	0.11		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes, m+p	0.17		0.02	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes	0.28		0.03	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
CCME Metals								
Mercury Total								
Mercury (Hg)-Total	0.34		0.02	mg/kg	18-JUN-07	19-JUN-07	TEP	R538267
CCME Metals								
Silver (Ag)	<1		1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Arsenic (As)	5.47		0.03	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Barium (Ba)	274	RAMB	0.04	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Beryllium (Be)	0.23		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cadmium (Cd)	1.58		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cobalt (Co)	4.93	RAMB	0.01	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Chromium (Cr)	23.1		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Copper (Cu)	215		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Molybdenum (Mo)	6.65		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Nickel (Ni)	44.4	RAMB	0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Lead (Pb)	1220		0.05	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Antimony (Sb)	13.0		0.07	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Selenium (Se)	0.4		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Tin (Sn)	10		4	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Thallium (Tl)	<0.2		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Uranium (U)	0.61		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Vanadium (V)	11.1		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Zinc (Zn)	382		2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
% Moisture	20.7		0.5	%	18-JUN-07	18-JUN-07	SN	R536934
Volatile Organics								
1,1,1,2-Tetrachloroethane	<0.05	DLM	0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2,2-Tetrachloroethane	<0.05	DLM	0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,1-Trichloroethane	<0.05	DLM	0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2-Trichloroethane	<0.05	DLM	0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethane	<0.03	DLM	0.025	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethylene	<0.01	DLM	0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dibromoethane	<0.03	DLM	0.025	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichlorobenzene	<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichloroethane	<0.03	DLM	0.025	mg/kg	18-JUN-07	20-JUN-07	DF	R537736

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-3	SA-31								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
Volatile Organics									
1,2-Dichloropropane		<0.05	DLM	0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,3-Dichlorobenzene		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,4-Dichlorobenzene		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
2-Hexanone		<1	DLM	1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Acetone		<3	DLM	2.5	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Benzene		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Bromodichloromethane		<0.03	DLM	0.025	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Bromoform		<0.3	DLM	0.25	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Bromomethane		<0.2	DLM	0.15	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Carbon Disulfide		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Carbon tetrachloride		<0.05	DLM	0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Chlorobenzene		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Chloroethane		<0.2	DLM	0.15	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Chloroform		<0.05	DLM	0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Chloromethane		<0.2	DLM	0.15	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
cis-1,2-Dichloroethylene		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
cis-1,3-Dichloropropene		<0.03	DLM	0.025	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Dibromochloromethane		<0.05	DLM	0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Dichlorodifluoromethane		<0.2	DLM	0.15	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Dichloromethane		<0.5	DLM	0.5	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Ethyl Benzene		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
MTBE		<1	DLM	1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
m+p-Xylenes		<0.2	DLM	0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Methyl Ethyl Ketone		<1	DLM	1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Methyl Isobutyl Ketone		<1	DLM	1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
o-Xylene		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Styrene		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Tetrachloroethylene		<0.1	DLM	0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Toluene		<0.3	DLM	0.25	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
trans-1,2-Dichloroethylene		<0.3	DLM	0.3	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
trans-1,3-Dichloropropene		<0.03	DLM	0.025	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Trichloroethylene		<0.3	DLM	0.25	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Trichlorofluoromethane		<0.2	DLM	0.15	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Trihalomethanes (total)		<0.11		0.11	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Vinyl chloride		<0.02	DLM	0.015	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Xylenes (Total)		<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Surr: 1,2-Dichloroethane d4		87		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr: Toluene-d8		91		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr: 4-Bromofluorobenzene		104		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
EPA PAH									
Acenaphthene		13	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Acenaphthylene		2.1		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Anthracene		38	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Benzo(a)anthracene		8.7	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Benzo(a)pyrene		8.6		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Benzo(b)fluoranthene		11	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Benzo(ghi)perylene		7.4		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Benzo(k)fluoranthene		3.3		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Chrysene		12	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Dibenzo(ah)anthracene		1.4		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-3	SA-31								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
EPA PAH									
	Fluoranthene	33	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Fluorene	15	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Indeno(1,2,3 cd)pyrene	7.2		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Naphthalene	9.6	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	1-Methyl Naphthalene	0.5	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	2-Methyl Naphthalene	0.2	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Phenanthrene	48	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Pyrene	35	DLA	0.1	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	2-Fluorobiphenyl Surr	98		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Nitrobenzene Surr	88		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Terphenyl Surr	96		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-4	SA-11								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
CCME BTEX + F1-F4									
CCME Total Hydrocarbons									
F1 (C6-C10)		<5		5	mg/kg		21-JUN-07		
F1-BTEX		<5		5	mg/kg		21-JUN-07		
F2 (C10-C16)		<5		5	mg/kg		21-JUN-07		
F3 (C16-C34)		<5		5	mg/kg		21-JUN-07		
F4 (C34-C50)		<5		5	mg/kg		21-JUN-07		
Total Hydrocarbons (C6-C50)		<5		5	mg/kg		21-JUN-07		
Chromatogram to baseline at nC50		YES					21-JUN-07		
CCME Total Extractable Hydrocarbons									
Prep/Analysis Dates						19-JUN-07	21-JUN-07	THT	R538185
CCME BTEX									
Benzene		<0.005		0.005	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Toluene		<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Ethylbenzene		<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
o-Xylene		0.03		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes, m+p		<0.02		0.02	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes		0.04		0.03	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
CCME Metals									
Mercury Total									
Mercury (Hg)-Total		0.06		0.02	mg/kg	18-JUN-07	19-JUN-07	TEP	R538267
CCME Metals									
Silver (Ag)		<1		1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Arsenic (As)		6.87		0.03	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Barium (Ba)		102	RAMB	0.04	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Beryllium (Be)		1.16		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cadmium (Cd)		1.38		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cobalt (Co)		10.7	RAMB	0.01	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Chromium (Cr)		28.8		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Copper (Cu)		26.2		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Molybdenum (Mo)		0.73		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Nickel (Ni)		36.4	RAMB	0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Lead (Pb)		23.8		0.05	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Antimony (Sb)		<0.07		0.07	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Selenium (Se)		0.6		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Tin (Sn)		<4		4	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Thallium (Tl)		0.4		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Uranium (U)		2.22		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Vanadium (V)		30.1		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Zinc (Zn)		109		2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
% Moisture		28.8		0.5	%	18-JUN-07	18-JUN-07	SN	R536934
Volatile Organics									
1,1,1,2-Tetrachloroethane		<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2,2-Tetrachloroethane		<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,1-Trichloroethane		<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2-Trichloroethane		<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethane		<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethylene		<0.002		0.002	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dibromoethane		<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichlorobenzene		<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichloroethane		<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-4	SA-11								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
Volatile Organics									
	1,2-Dichloropropane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,3-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,4-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	2-Hexanone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Acetone	<0.5		0.5	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromodichloromethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromoform	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromomethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon Disulfide	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon tetrachloride	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroform	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dibromochloromethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichlorodifluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichloromethane	<0.1		0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Ethyl Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	MTBE	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	m+p-Xylenes	<0.04		0.04	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Ethyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Isobutyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	o-Xylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Styrene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Tetrachloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Toluene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,2-Dichloroethylene	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichloroethylene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichlorofluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trihalomethanes (total)	<0.11		0.11	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Vinyl chloride	<0.003		0.003	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Xylenes (Total)	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Surr:	1,2-Dichloroethane d4	113		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	Toluene-d8	86		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	4-Bromofluorobenzene	104		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
EPA PAH									
	Acenaphthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Acenaphthylene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)anthracene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)pyrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(b)fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(ghi)perylene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(k)fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Chrysene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Dibenzo(ah)anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-4	SA-11								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
EPA PAH									
	Fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Fluorene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Indeno(1,2,3 cd)pyrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Naphthalene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	1-Methyl Naphthalene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	2-Methyl Naphthalene	0.03		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Phenanthrene	0.03		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Pyrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	2-Fluorobiphenyl Surr	74		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Nitrobenzene Surr	78		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Terphenyl Surr	94		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-5 SA-24								
Sampled By: CLIENT on 13-JUN-07								
Matrix: SOIL								
CCME BTEX + F1-F4								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg		21-JUN-07		
F1-BTEX	<5		5	mg/kg		21-JUN-07		
F2 (C10-C16)	<5		5	mg/kg		21-JUN-07		
F3 (C16-C34)	16		5	mg/kg		21-JUN-07		
F4 (C34-C50)	16		5	mg/kg		21-JUN-07		
Total Hydrocarbons (C6-C50)	32		5	mg/kg		21-JUN-07		
Chromatogram to baseline at nC50	YES					21-JUN-07		
CCME Total Extractable Hydrocarbons								
Prep/Analysis Dates					19-JUN-07	21-JUN-07	THT	R538185
CCME BTEX								
Benzene	<0.005		0.005	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Toluene	<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Ethylbenzene	<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
o-Xylene	<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes, m+p	<0.02		0.02	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes	<0.03		0.03	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
CCME Metals								
Mercury Total								
Mercury (Hg)-Total	0.04		0.02	mg/kg	18-JUN-07	19-JUN-07	TEP	R538267
CCME Metals								
Silver (Ag)	<1		1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Arsenic (As)	3.67		0.03	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Barium (Ba)	95.5	RAMB	0.04	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Beryllium (Be)	0.42		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cadmium (Cd)	0.14		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cobalt (Co)	6.50	RAMB	0.01	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Chromium (Cr)	19.0		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Copper (Cu)	17.3		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Molybdenum (Mo)	0.28		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Nickel (Ni)	20.2	RAMB	0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Lead (Pb)	25.8		0.05	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Antimony (Sb)	<0.07		0.07	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Selenium (Se)	<0.1		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Tin (Sn)	<4		4	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Thallium (Tl)	<0.2		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Uranium (U)	0.92		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Vanadium (V)	25.3		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Zinc (Zn)	36		2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
% Moisture	19.3		0.5	%	18-JUN-07	18-JUN-07	SN	R536934
Volatile Organics								
1,1,1,2-Tetrachloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2,2-Tetrachloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,1-Trichloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2-Trichloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethylene	<0.002		0.002	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dibromoethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichloroethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-5	SA-24								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
Volatile Organics									
	1,2-Dichloropropane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,3-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,4-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	2-Hexanone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Acetone	<0.5		0.5	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromodichloromethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromoform	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromomethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon Disulfide	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon tetrachloride	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroform	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dibromochloromethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichlorodifluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichloromethane	<0.1		0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Ethyl Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	MTBE	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	m+p-Xylenes	<0.04		0.04	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Ethyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Isobutyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	o-Xylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Styrene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Tetrachloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Toluene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,2-Dichloroethylene	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichloroethylene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichlorofluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trihalomethanes (total)	<0.11		0.11	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Vinyl chloride	<0.003		0.003	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Xylenes (Total)	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Surr:	1,2-Dichloroethane d4	108		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	Toluene-d8	89		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	4-Bromofluorobenzene	102		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
EPA PAH									
	Acenaphthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Acenaphthylene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)pyrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(b)fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(ghi)perylene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(k)fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Chrysene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Dibenzo(ah)anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-5	SA-24								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
EPA PAH									
	Fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Fluorene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Indeno(1,2,3 cd)pyrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Naphthalene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	1-Methyl Naphthalene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	2-Methyl Naphthalene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Phenanthrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Pyrene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	2-Fluorobiphenyl Surr	76		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Nitrobenzene Surr	76		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Terphenyl Surr	94		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-6 SA-18								
Sampled By: CLIENT on 13-JUN-07								
Matrix: SOIL								
CCME BTEX + F1-F4								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg		21-JUN-07		
F1-BTEX	<5		5	mg/kg		21-JUN-07		
F2 (C10-C16)	<5		5	mg/kg		21-JUN-07		
F3 (C16-C34)	9		5	mg/kg		21-JUN-07		
F4 (C34-C50)	<5		5	mg/kg		21-JUN-07		
Total Hydrocarbons (C6-C50)	9		5	mg/kg		21-JUN-07		
Chromatogram to baseline at nC50	YES					21-JUN-07		
CCME Total Extractable Hydrocarbons								
Prep/Analysis Dates					19-JUN-07	21-JUN-07	THT	R538185
CCME BTEX								
Benzene	<0.005		0.005	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Toluene	<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Ethylbenzene	<0.01		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
o-Xylene	0.06		0.01	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes, m+p	<0.02		0.02	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
Xylenes	0.07		0.03	mg/kg	15-JUN-07	19-JUN-07	JAP	R537967
CCME Metals								
Mercury Total								
Mercury (Hg)-Total	0.04		0.02	mg/kg	18-JUN-07	19-JUN-07	TEP	R538267
CCME Metals								
Silver (Ag)	<1		1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Arsenic (As)	3.53		0.03	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Barium (Ba)	206	RAMB	0.04	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Beryllium (Be)	0.25		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cadmium (Cd)	0.15		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Cobalt (Co)	6.48	RAMB	0.01	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Chromium (Cr)	15.1		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Copper (Cu)	16.5		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Molybdenum (Mo)	0.82		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Nickel (Ni)	14.2	RAMB	0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Lead (Pb)	47.5		0.05	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Antimony (Sb)	<0.07		0.07	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Selenium (Se)	0.1		0.1	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Tin (Sn)	<4		4	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Thallium (Tl)	<0.2		0.2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Uranium (U)	0.75		0.02	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Vanadium (V)	15.5		0.06	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
Zinc (Zn)	33		2	mg/kg	18-JUN-07	19-JUN-07	DAG	R537692
% Moisture	15.0		0.5	%	18-JUN-07	18-JUN-07	SN	R536934
Volatile Organics								
1,1,1,2-Tetrachloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2,2-Tetrachloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,1-Trichloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1,2-Trichloroethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,1-Dichloroethylene	<0.002		0.002	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dibromoethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
1,2-Dichloroethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-6	SA-18								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
Volatile Organics									
	1,2-Dichloropropane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,3-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	1,4-Dichlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	2-Hexanone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Acetone	<0.5		0.5	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromodichloromethane	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromoform	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Bromomethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon Disulfide	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Carbon tetrachloride	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chlorobenzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloroform	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Chloromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,2-Dichloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	cis-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dibromochloromethane	<0.01		0.01	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichlorodifluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Dichloromethane	<0.1		0.1	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Ethyl Benzene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	MTBE	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	m+p-Xylenes	<0.04		0.04	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Ethyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Methyl Isobutyl Ketone	<0.2		0.2	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	o-Xylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Styrene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Tetrachloroethylene	<0.02		0.02	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Toluene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,2-Dichloroethylene	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	trans-1,3-Dichloropropene	<0.005		0.005	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichloroethylene	<0.05		0.05	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trichlorofluoromethane	<0.03		0.03	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Trihalomethanes (total)	<0.11		0.11	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Vinyl chloride	<0.003		0.003	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
	Xylenes (Total)	<0.06		0.06	mg/kg	18-JUN-07	20-JUN-07	DF	R537736
Surr:	1,2-Dichloroethane d4	101		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	Toluene-d8	88		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
Surr:	4-Bromofluorobenzene	98		70-130	%	18-JUN-07	20-JUN-07	DF	R537736
EPA PAH									
	Acenaphthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Acenaphthylene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)anthracene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(a)pyrene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(b)fluoranthene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(ghi)perylene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Benzo(k)fluoranthene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Chrysene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Dibenzo(ah)anthracene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L517654-6	SA-18								
Sampled By:	CLIENT on 13-JUN-07								
Matrix:	SOIL								
EPA PAH									
	Fluoranthene	0.02		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Fluorene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Indeno(1,2,3 cd)pyrene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Naphthalene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	1-Methyl Naphthalene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	2-Methyl Naphthalene	<0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Phenanthrene	0.01		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
	Pyrene	0.02		0.01	mg/kg	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	2-Fluorobiphenyl Surr	78		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Nitrobenzene Surr	80		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
Surr:	Terphenyl Surr	90		25-175	%	20-JUN-07	21-JUN-07	JAP	R538422
* Refer to Referenced Information for Qualifiers (if any) and Methodology.									

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
DLA	Detection Limit Adjusted For Dilution
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)
ETL-BTX,TVH-CCME-WP	Soil	CCME BTEX		CCME CWS-PHC Dec-2000 - Pub# 1310
ETL-TEH-CCME-WP	Soil	CCME Total Extractable Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310
ETL-TVH,TEH-CCME-WP	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.

HG-TOT-CV-WP	Soil	Mercury Total	EPA 7470A Rev 1,1994
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A hydrochloric acid/nitric acid and potassium persulphate block digestion is employed to oxidize the organomercury to inorganic mercury. After digestion, samples are analyzed using cold vapour techniques.

METAL-CCME-NOHG-WP	Soil	CCME Metals	EPA SW846 3050B Rev 2 1996
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MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried
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PAH-EPA-WP	Soil	EPA PAH	EPA SW846 8270B Sep 1994,3550A Sep 1994
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Samples are ground into sodium sulfate and extracted with acetone/dichloromethane using a combination of high frequency sonication and shake using a wrist-action shaker. After extract concentration, samples are analyzed by GC/MS.

VOC-ROU-WT	Soil	Volatile Organics	EPA 8260
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** Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

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
WP	ALS LABORATORY GROUP - WINNIPEG, MANITOBA, CANADA	WT	ALS LABORATORY GROUP - WATERLOO (SENTINEL), ONTARIO, CAN

Reference Information

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.

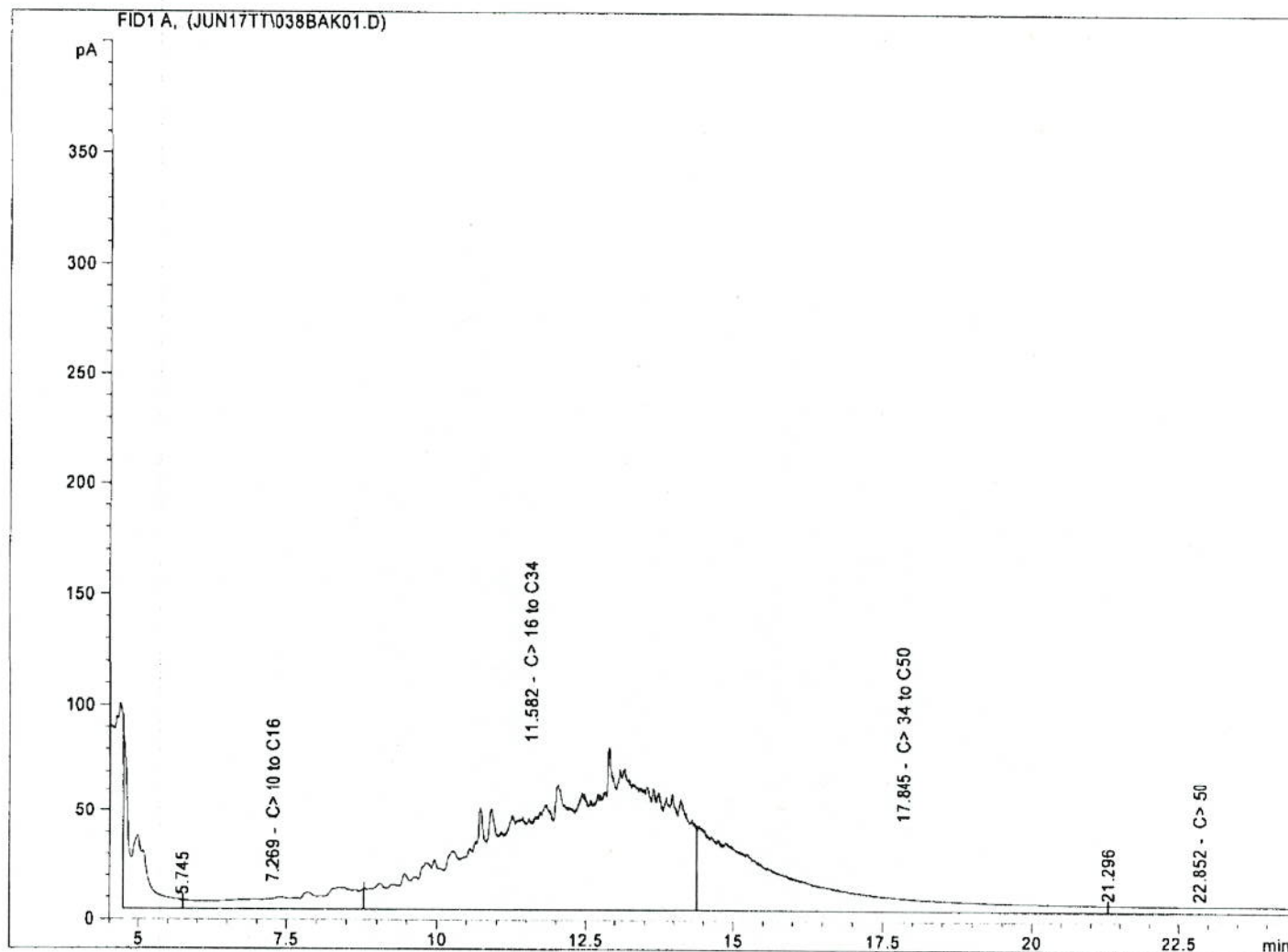
Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

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.

Sample Name: L517654-1

```
=====
Acq. Operator   : T. Truong                      Seq. Line : 120
Acq. Instrument : GC6                          Location  : Vial 38
Injection Date  : 6/20/2007 3:32:10 AM          Inj       : 1
                                                Inj Volume: 1 µl

Acq. Method     : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/11/2007 8:43:31 AM by T. Truong
Analysis Method : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/20/2007 5:52:50 PM by T. Truong
                  (modified after loading)
Method Info     : Extractable Hydrocarbons Method for acquiring data from FID.
=====
```



```
=====
External Standard Report
=====
```

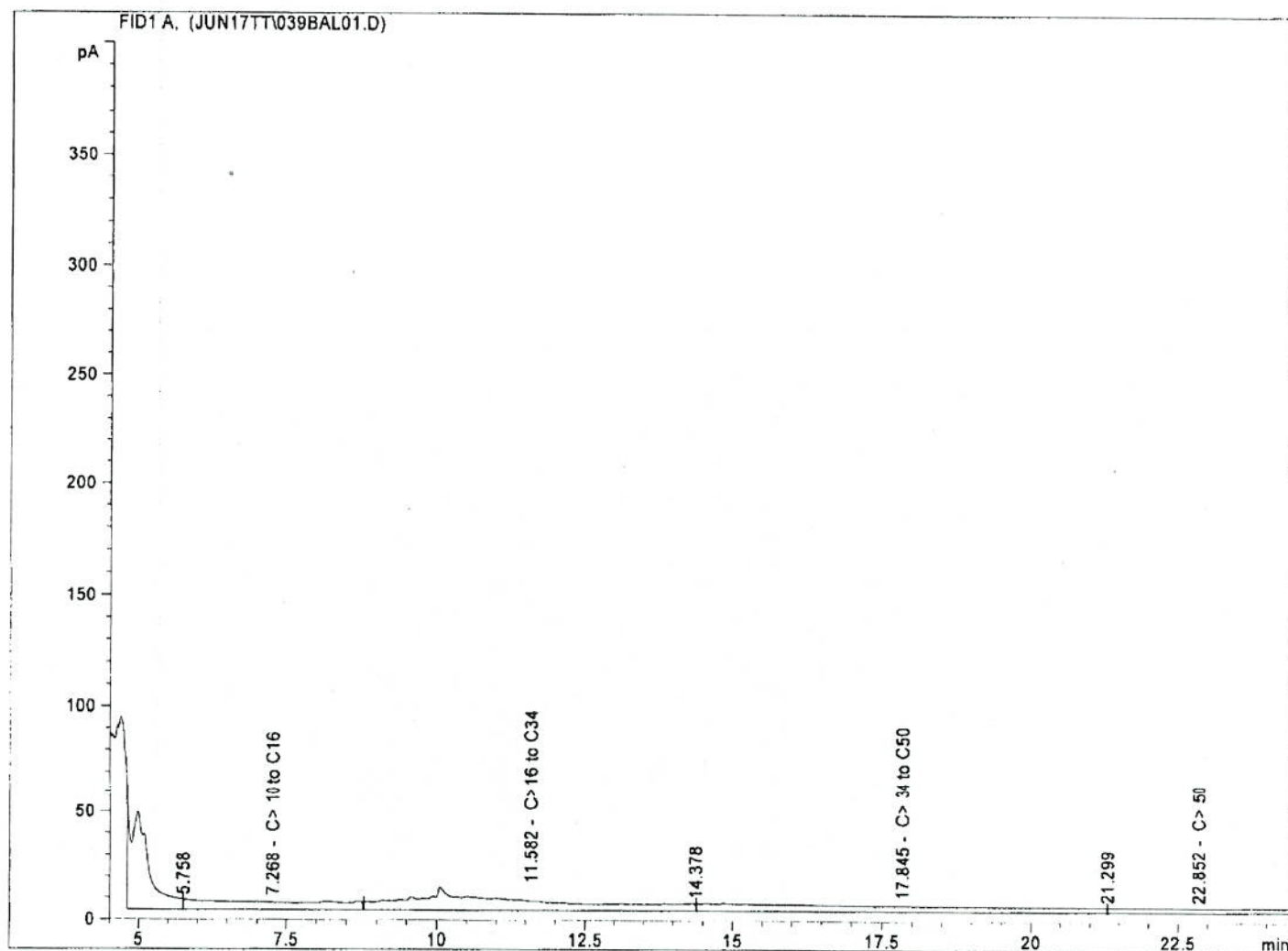
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Sorted By           : Retention Time
Calib. Data Modified : 4/23/2007 1:14:34 PM
Multiplier          : 1.0000
Dilution            : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Sample Name: L517654-2

```
=====
Acq. Operator   : T. Truong                      Seq. Line : 121
Acq. Instrument : GC6                          Location  : Vial 39
Injection Date  : 6/20/2007 4:08:48 AM          Inj       : 1
                                                Inj Volume: 1 µl

Acq. Method     : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/11/2007 8:43:31 AM by T. Truong
Analysis Method : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/20/2007 5:52:50 PM by T. Truong
                  (modified after loading)
Method Info     : Extractable Hydrocarbons Method for acquiring data from FID.
=====
```



External Standard Report

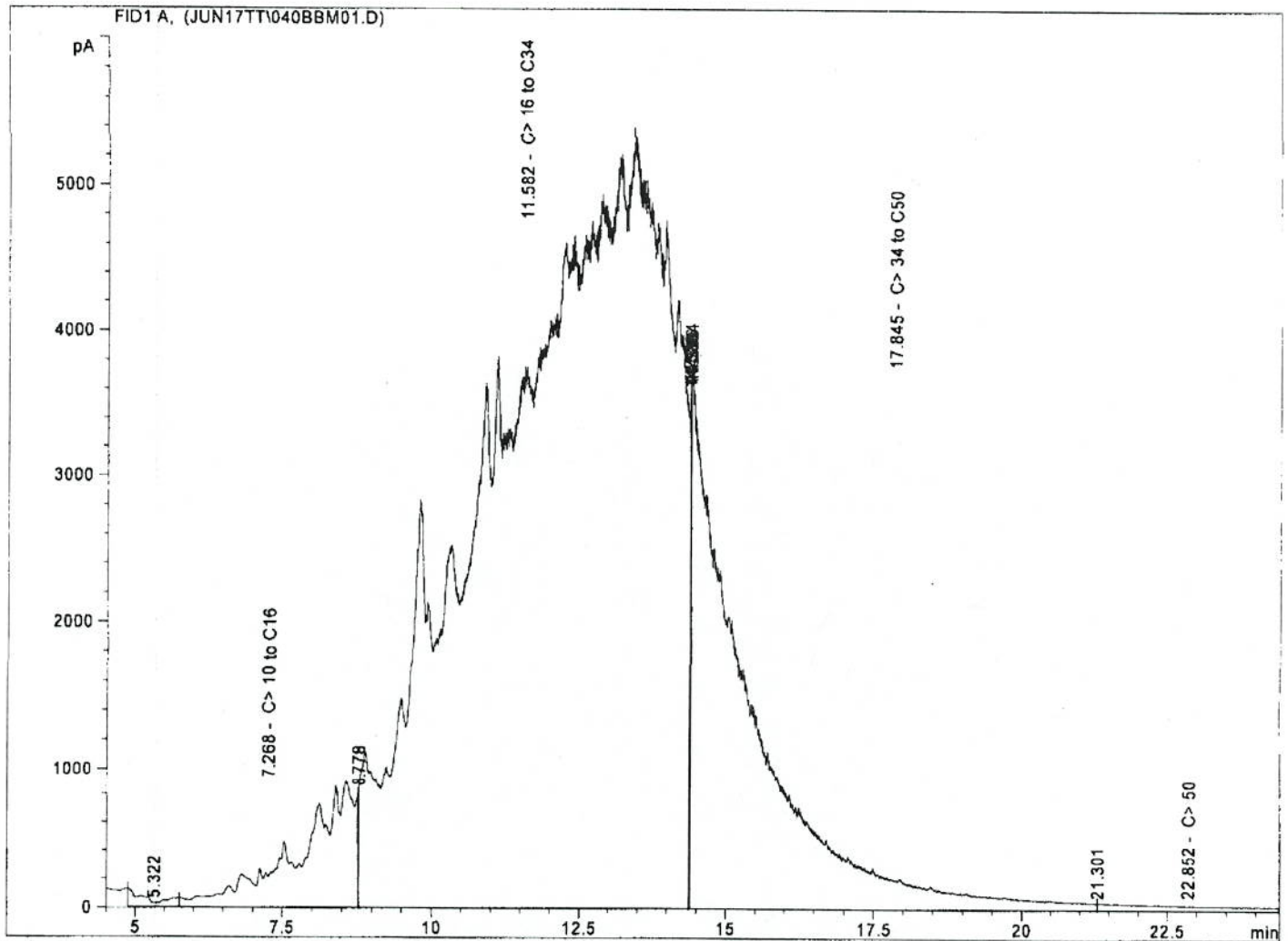
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=====
Sorted By           : Retention Time
Calib. Data Modified : 4/23/2007 1:14:34 PM
Multiplier          : 1.0000
Dilution            : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Sample Name: L517654-3

```
=====
Acq. Operator   : T. Truong                      Seq. Line : 158
Acq. Instrument : GC6                          Location  : Vial 40
Injection Date  : 6/21/2007 2:57:43 AM          Inj       : 1
                                                Inj Volume: 1 µl

Acq. Method     : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/11/2007 8:43:31 AM by T. Truong
Analysis Method : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/21/2007 9:14:36 AM by T. Truong
                  (modified after loading)
Method Info     : Extractable Hydrocarbons Method for acquiring data from FID.
=====
```



External Standard Report

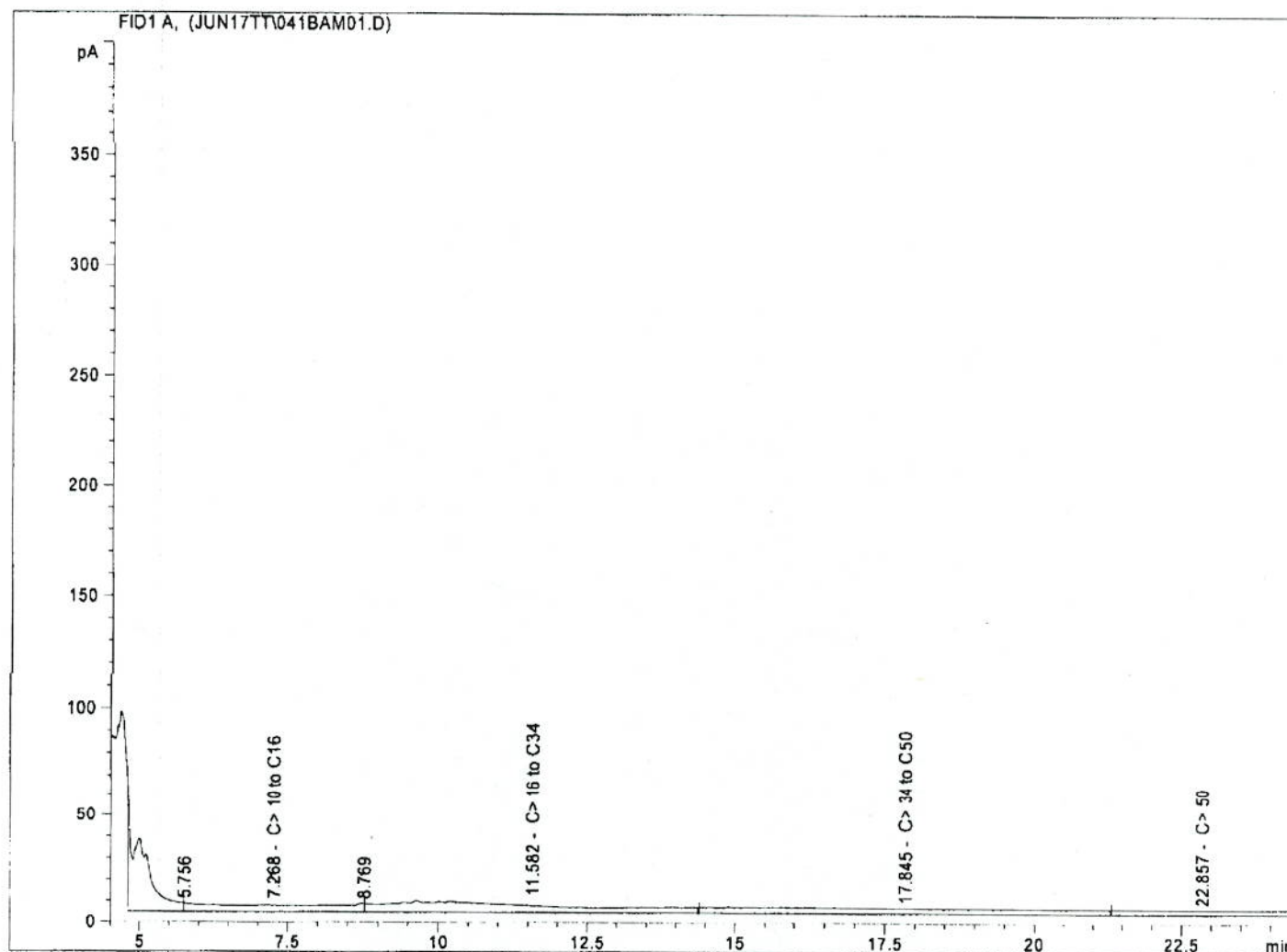
```
=====
Sorted By      : Retention Time
Calib. Data Modified : 4/23/2007 1:14:34 PM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Sample Name: L517654-4

```
=====
Acq. Operator   : T. Truong                      Seq. Line : 122
Acq. Instrument : GC6                          Location  : Vial 41
Injection Date  : 6/20/2007 4:45:50 AM          Inj       : 1
                                                Inj Volume: 1 µl

Acq. Method     : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/11/2007 8:43:31 AM by T. Truong
Analysis Method : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/21/2007 9:14:56 AM by T. Truong
                  (modified after loading)
Method Info     : Extractable Hydrocarbons Method for acquiring data from FID.
=====
```



External Standard Report

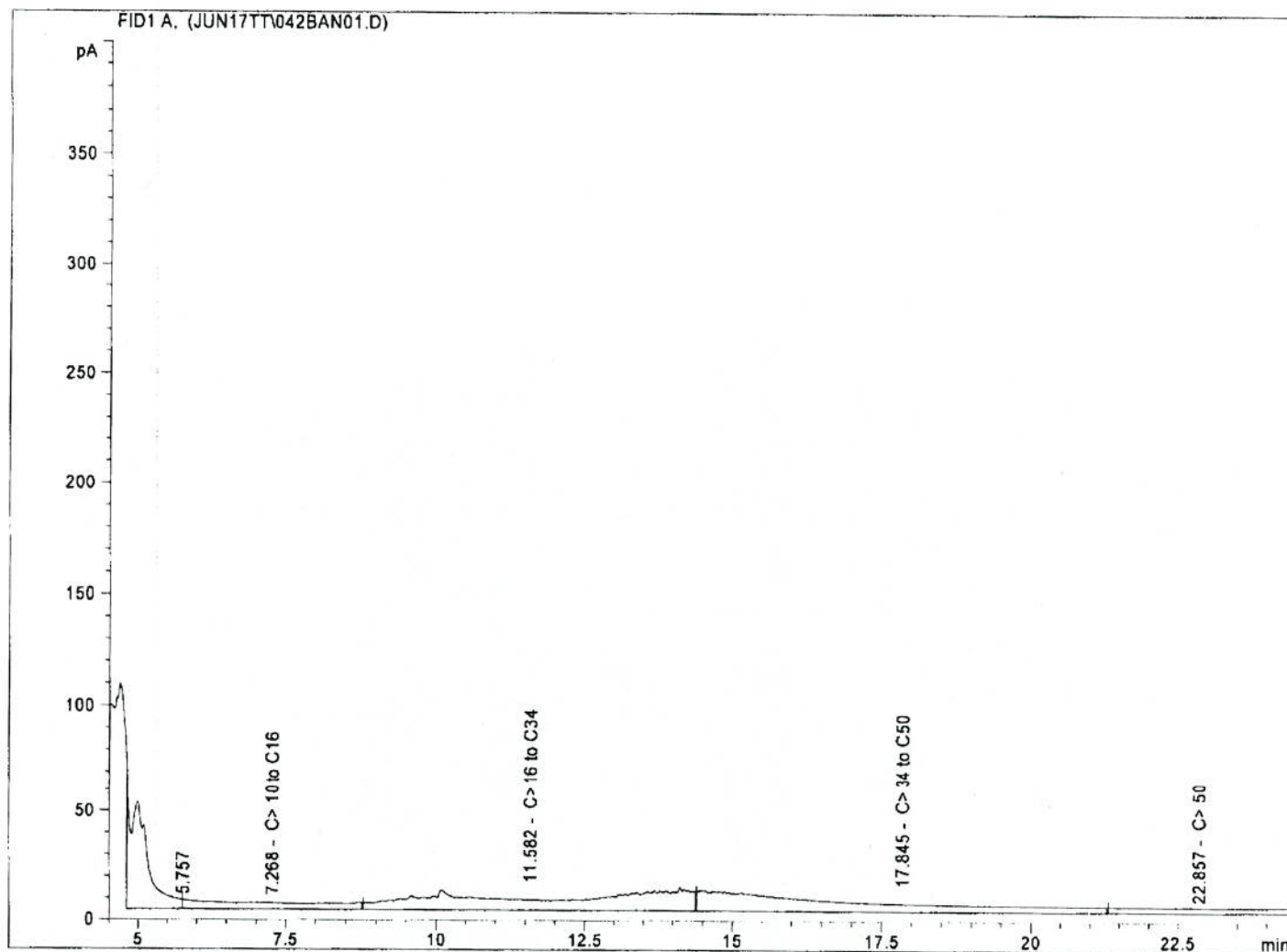
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=====
Sorted By      : Retention Time
Calib. Data Modified : 4/23/2007 1:14:34 PM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Sample Name: L517654-5

```
=====
Acq. Operator   : T. Truong                      Seq. Line : 123
Acq. Instrument : GC6                          Location  : Vial 42
Injection Date  : 6/20/2007 5:22:37 AM          Inj       : 1
                                                Inj Volume: 1 µl

Acq. Method     : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/11/2007 8:43:31 AM by T. Truong
Analysis Method : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/21/2007 9:14:56 AM by T. Truong
                  (modified after loading)
Method Info     : Extractable Hydrocarbons Method for acquiring data from FID.
=====
```



External Standard Report

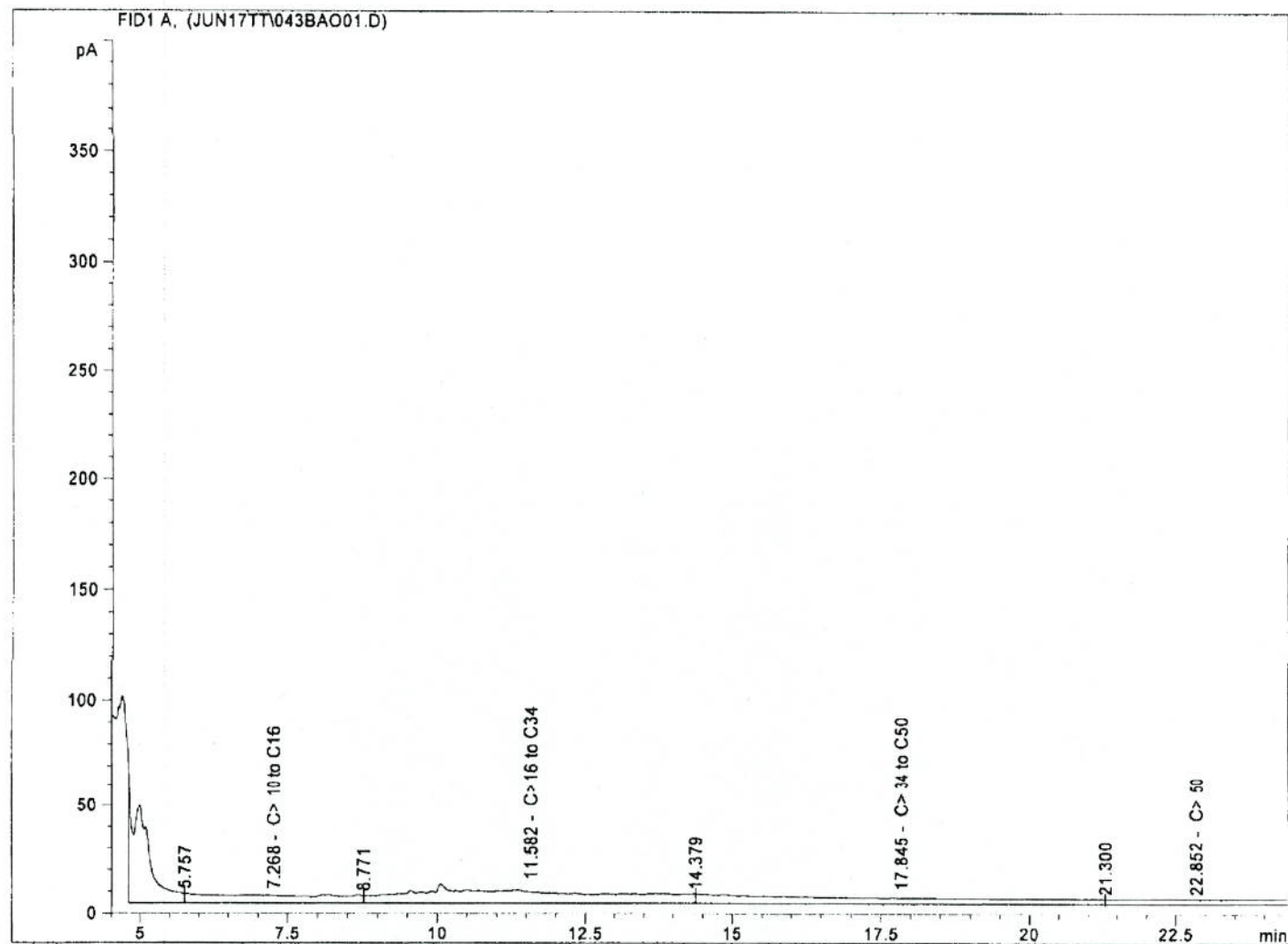
```
=====
Sorted By      : Retention Time
Calib. Data Modified : 4/23/2007 1:14:34 PM
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Sample Name: L517654-6

```
=====
Acq. Operator   : T. Truong                      Seq. Line : 124
Acq. Instrument : GC6                          Location  : Vial 43
Injection Date  : 6/20/2007 5:59:24 AM          Inj       : 1
                                                Inj Volume: 1 µl

Acq. Method     : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/11/2007 8:43:31 AM by T. Truong
Analysis Method : C:\CHEM32\1\METHODS\CCMEFRAC.M
Last changed    : 6/21/2007 9:14:56 AM by T. Truong
                  (modified after loading)
Method Info     : Extractable Hydrocarbons Method for acquiring data from FID.
=====
```



```
=====
External Standard Report
=====
```

```
Sorted By           : Retention Time
Calib. Data Modified : 4/23/2007 1:14:34 PM
Multiplier          : 1.0000
Dilution            : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,



ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

12 - 1329 Niakwa Road East
Winnipeg, Manitoba, Canada R2J 3T4
Tel: (204) 255-9720
Fax: (204) 255-9721
Toll Free: 1-800-607-7555

**CHAIN OF CUSTODY
ANALYTICAL REQUEST FORM**

DATE SUBMITTED: 24 June 14/07

DATE RECEIVED: June 21/07

PRICING CHECK ONE: ☐
AS PER QUOTE #:
AS PER LIST PRICE: ☐

ANALYSIS REQUESTED:

LAB ONLY

SAMPLE RECEIVED (Y OR N)
SAMPLE BROKEN (Y OR N)

2PA VOCs
PAH-3-PAH
BTX, TVH, TH
Metal - CCM

LAB SAMPLE NO.
LS17654

SAMPLE ID	SAMPLED BY	DATE / TIME SAMPLED	SAMPLE TYPE	PREPARED	REFUSED
SA-40		July 11/07	Soil	✓	
SA-3				✓	
SA-31				✓	
SA-11				✓	
SA-24				✓	
SA-18				✓	

1 2 3 4 5 6

NOTES & CONDITIONS:

1. Quote number must be provided to ensure proper pricing.

2. All hazardous samples submitted must be labeled to comply with WHMIS regulations. This must include the nature of the hazard, as well as a contact name and phone number that the lab can contact for further information.

3. ALS's liability limited to cost of analysis.

NOTE: Failure to properly complete all portions of this form may delay analysis.

NO. SAMPLES SUBMITTED: 6
NO. BOTTLES/SAMPLES: 18

RELINQUISHED BY: gfm

DATE: 14 June 07
TIME: 9:15

ALS LAB:

RECEIVED BY:

DATE:

TIME:

E-MAIL: YES ☒ NO ☐

E-MAIL ADDRESS: kluech@alr

P.O. NO.: 07-1380-0030

JOB NO.:

SAMPLE CONDITION UPON RECEIPT: ☐ ACCEPTABLE ☐ NON-ACCEPTABLE

FROZEN: COLD ☒ AMBIENT:

OTHER (BREAKAGE, LEAKAGE, ETC.):

WHITE - File Copy
GREEN - Final Report
PINK - Invoicing
BLUE - Client Support
YELLOW - Customer

REV. OCT. / 2006



Environmental Division

ANALYTICAL REPORT

GOLDER ASSOCIATES LTD

ATTN: KEVIN BEECHINOR

Unit 6 - 5 Scurfield Blvd

WINNIPEG MB R3Y 1G6

Reported On: 22-JUN-07 02:49 PM

Lab Work Order #: **L518129**

Date Received: **14-JUN-07**

Project P.O. #:

Job Reference: 07-1380-0030

Legal Site Desc:

CofC Numbers:

Other Information:

Comments:

APPROVED BY:

Paul Nicolas

PAUL NICOLAS

Project Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY.
ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU
REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

Manitoba Technology Centre Ltd.

Part of the **ALS Laboratory Group**

1329 Niakwa Road East, Unit 12, Winnipeg, MB R2J 3T4

Phone: +1 204 255 9720 Fax: +1 204 255 9721 www.alsglobal.com

A Campbell Brothers Limited Company

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L518129-1	GA07-1								
Sampled By:	CWB on 14-JUN-07								
Matrix:	WATER								
Volatile Organics									
1,1,1,2-Tetrachloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1,2,2-Tetrachloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1,1-Trichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1,2-Trichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dibromoethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1-Dichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1-Dichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dichlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dichloropropane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,3-Dichlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,4-Dichlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
2-Hexanone		<20		20	ug/L		19-JUN-07	SK	R537047
Acetone		<20		20	ug/L		19-JUN-07	SK	R537047
Benzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Bromodichloromethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Bromoform		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Bromomethane		<1		1	ug/L		19-JUN-07	SK	R537047
Carbon Disulfide		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Carbon tetrachloride		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Chlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Chloroethane		<1		1	ug/L		19-JUN-07	SK	R537047
Chloroform		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Chloromethane		<1		1	ug/L		19-JUN-07	SK	R537047
cis-1,2-Dichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
cis-1,3-Dichloropropene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Dibromochloromethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Dichlorodifluoromethane		<1		1	ug/L		19-JUN-07	SK	R537047
Dichloromethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Ethyl Benzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
m+p-Xylenes		<1		1	ug/L		19-JUN-07	SK	R537047
Methyl Ethyl Ketone		<20		20	ug/L		19-JUN-07	SK	R537047
Methyl Isobutyl Ketone		<20		20	ug/L		19-JUN-07	SK	R537047
MTBE		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
o-Xylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Styrene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Tetrachloroethylene		<0.5		0.5	ug/L		19-JUN-07	DF	R537488
Toluene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
trans-1,2-Dichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
trans-1,3-Dichloropropene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Trichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Trichlorofluoromethane		<1		1	ug/L		19-JUN-07	SK	R537047
Trihalomethanes (total)		<2.0		2	ug/L		19-JUN-07	SK	R537047
Vinyl chloride		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Xylenes (Total)		<1.5		1.5	ug/L		19-JUN-07	SK	R537047
Surr: 1,2-Dichloroethane d4		102		51-150	%		19-JUN-07	SK	R537047
Surr: Toluene-d8		95		72-123	%		19-JUN-07	SK	R537047
Surr: 4-Bromofluorobenzene		104		50-150	%		19-JUN-07	SK	R537047
Metal scan, dissolved plus Mercury									
Silver (Ag)-Dissolved		<0.0005		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L518129-1	GA07-1								
Sampled By:	CWB on 14-JUN-07								
Matrix:	WATER								
Metal scan, dissolved plus Mercury									
Aluminum (Al)-Dissolved		<0.02		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Arsenic (As)-Dissolved		0.0038		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Boron (B)-Dissolved		0.52		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Barium (Ba)-Dissolved		0.0437		0.0003	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Beryllium (Be)-Dissolved		<0.001		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Bismuth (Bi)-Dissolved		<0.0003		0.0003	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Calcium (Ca)-Dissolved		457		0.05	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Cadmium (Cd)-Dissolved		0.0002		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Cobalt (Co)-Dissolved		0.0048		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Chromium (Cr)-Dissolved		<0.001		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Cesium (Cs)-Dissolved		<0.0001		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Copper (Cu)-Dissolved		0.0083		0.0004	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Iron (Fe)-Dissolved		32.9		0.01	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Potassium (K)-Dissolved		7.65		0.05	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Magnesium (Mg)-Dissolved		291		0.01	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Manganese (Mn)-Dissolved		1.13		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Mercury (Hg)-Dissolved		<0.0002		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Molybdenum (Mo)-Dissolved		0.0030		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Sodium (Na)-Dissolved		164		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Nickel (Ni)-Dissolved		0.0112		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Phosphorus (P)-Dissolved		<0.02		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Lead (Pb)-Dissolved		0.0002		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Rubidium (Rb)-Dissolved		0.0047		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Antimony (Sb)-Dissolved		0.001		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Selenium (Se)-Dissolved		0.004		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Silicon (Si)-Dissolved		10.1		0.2	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Tin (Sn)-Dissolved		<0.0003		0.0003	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Strontium (Sr)-Dissolved		1.03		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Tellurium (Te)-Dissolved		<0.0005		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Titanium (Ti)-Dissolved		0.0151		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Thallium (Tl)-Dissolved		0.0175		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Uranium (U)-Dissolved		0.0116		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Vanadium (V)-Dissolved		0.007		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Tungsten (W)-Dissolved		<0.0002		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Zinc (Zn)-Dissolved		0.026		0.005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Zirconium (Zr)-Dissolved		0.0006		0.0004	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
EPA PAH									
1-Methyl Naphthalene		0.00006		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
2-Methyl Naphthalene		0.00009		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Acenaphthene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Acenaphthylene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Anthracene		<0.00001		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(a)anthracene		0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(a)pyrene		0.00001		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(b)fluoranthene		0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(ghi)perylene		0.00001		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(k)fluoranthene		<0.00001		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Chrysene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Dibenzo(ah)anthracene		<0.00001		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Fluoranthene		0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L518129-1	GA07-1								
Sampled By:	CWB on 14-JUN-07								
Matrix:	WATER								
EPA PAH									
	Fluorene	<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Indeno(1,2,3 cd)pyrene	0.00001		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Naphthalene	<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Phenanthrene	0.00004		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Pyrene	0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Surr:	2-Fluorobiphenyl Surr	76		25-175	%	20-JUN-07	21-JUN-07	JAP	R538539
Surr:	Nitrobenzene Surr	77		25-175	%	20-JUN-07	21-JUN-07	JAP	R538539
Surr:	Terphenyl Surr	81		25-175	%	20-JUN-07	21-JUN-07	JAP	R538539

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L518129-2	GA07-4								
Sampled By:	CWB on 14-JUN-07								
Matrix:	WATER								
Volatile Organics									
1,1,1,2-Tetrachloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1,2,2-Tetrachloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1,1-Trichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1,2-Trichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dibromoethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1-Dichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1-Dichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dichlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dichloropropane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,3-Dichlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,4-Dichlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
2-Hexanone		<20		20	ug/L		19-JUN-07	SK	R537047
Acetone		<20		20	ug/L		19-JUN-07	SK	R537047
Benzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Bromodichloromethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Bromoform		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Bromomethane		<1		1	ug/L		19-JUN-07	SK	R537047
Carbon Disulfide		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Carbon tetrachloride		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Chlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Chloroethane		<1		1	ug/L		19-JUN-07	SK	R537047
Chloroform		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Chloromethane		<1		1	ug/L		19-JUN-07	SK	R537047
cis-1,2-Dichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
cis-1,3-Dichloropropene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Dibromochloromethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Dichlorodifluoromethane		<1		1	ug/L		19-JUN-07	SK	R537047
Dichloromethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Ethyl Benzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
m+p-Xylenes		<1		1	ug/L		19-JUN-07	SK	R537047
Methyl Ethyl Ketone		<20		20	ug/L		19-JUN-07	SK	R537047
Methyl Isobutyl Ketone		<20		20	ug/L		19-JUN-07	SK	R537047
MTBE		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
o-Xylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Styrene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Tetrachloroethylene		<0.5	RAMB	0.5	ug/L		19-JUN-07	SK	R537047
Toluene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
trans-1,2-Dichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
trans-1,3-Dichloropropene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Trichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Trichlorofluoromethane		<1		1	ug/L		19-JUN-07	SK	R537047
Trihalomethanes (total)		<2.0		2	ug/L		19-JUN-07	SK	R537047
Vinyl chloride		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Xylenes (Total)		<1.5		1.5	ug/L		19-JUN-07	SK	R537047
Surr: 1,2-Dichloroethane d4		104		51-150	%		19-JUN-07	SK	R537047
Surr: Toluene-d8		95		72-123	%		19-JUN-07	SK	R537047
Surr: 4-Bromofluorobenzene		104		50-150	%		19-JUN-07	SK	R537047
Metal scan, dissolved plus Mercury									
Silver (Ag)-Dissolved		<0.0005		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L518129-2	GA07-4								
Sampled By:	CWB on 14-JUN-07								
Matrix:	WATER								
Metal scan, dissolved plus Mercury									
Aluminum (Al)-Dissolved		<0.02		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Arsenic (As)-Dissolved		0.0266		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Boron (B)-Dissolved		0.73		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Barium (Ba)-Dissolved		0.0214		0.0003	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Beryllium (Be)-Dissolved		<0.001		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Bismuth (Bi)-Dissolved		<0.0003		0.0003	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Calcium (Ca)-Dissolved		325		0.05	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Cadmium (Cd)-Dissolved		<0.0002		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Cobalt (Co)-Dissolved		0.0086		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Chromium (Cr)-Dissolved		<0.001		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Cesium (Cs)-Dissolved		<0.0001		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Copper (Cu)-Dissolved		0.0088		0.0004	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Iron (Fe)-Dissolved		7.66		0.01	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Potassium (K)-Dissolved		9.55		0.05	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Magnesium (Mg)-Dissolved		554		0.01	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Manganese (Mn)-Dissolved		0.625		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Mercury (Hg)-Dissolved		<0.0002		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Molybdenum (Mo)-Dissolved		0.0012		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Sodium (Na)-Dissolved		493		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Nickel (Ni)-Dissolved		0.0180		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Phosphorus (P)-Dissolved		<0.02		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Lead (Pb)-Dissolved		0.0003		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Rubidium (Rb)-Dissolved		0.0017		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Antimony (Sb)-Dissolved		<0.001		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Selenium (Se)-Dissolved		0.006		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Silicon (Si)-Dissolved		5.5		0.2	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Tin (Sn)-Dissolved		<0.0003		0.0003	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Strontium (Sr)-Dissolved		3.36		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Tellurium (Te)-Dissolved		<0.0005		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Titanium (Ti)-Dissolved		0.0225		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Thallium (Tl)-Dissolved		0.0078		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Uranium (U)-Dissolved		0.0087		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Vanadium (V)-Dissolved		0.019		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Tungsten (W)-Dissolved		<0.0002		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Zinc (Zn)-Dissolved		0.020		0.005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Zirconium (Zr)-Dissolved		0.0083		0.0004	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
EPA PAH									
1-Methyl Naphthalene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
2-Methyl Naphthalene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Acenaphthene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Acenaphthylene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Anthracene		0.00003		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(a)anthracene		0.00004		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(a)pyrene		0.00005		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(b)fluoranthene		0.00008		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(ghi)perylene		0.00004		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(k)fluoranthene		0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Chrysene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Dibenzo(ah)anthracene		0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Fluoranthene		0.00007		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L518129-2	GA07-4								
Sampled By:	CWB on 14-JUN-07								
Matrix:	WATER								
EPA PAH									
	Fluorene	<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Indeno(1,2,3 cd)pyrene	0.00005		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Naphthalene	<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Phenanthrene	0.00006		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Pyrene	0.00007		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Surr:	2-Fluorobiphenyl Surr	79		25-175	%	20-JUN-07	21-JUN-07	JAP	R538539
Surr:	Nitrobenzene Surr	80		25-175	%	20-JUN-07	21-JUN-07	JAP	R538539
Surr:	Terphenyl Surr	84		25-175	%	20-JUN-07	21-JUN-07	JAP	R538539

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L518129-3	GA07-6								
Sampled By:	CWB on 14-JUN-07								
Matrix:	WATER								
Volatile Organics									
1,1,1,2-Tetrachloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1,2,2-Tetrachloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1,1-Trichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1,2-Trichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dibromoethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1-Dichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,1-Dichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dichlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dichloroethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,2-Dichloropropane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,3-Dichlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
1,4-Dichlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
2-Hexanone		<20		20	ug/L		19-JUN-07	SK	R537047
Acetone		<20		20	ug/L		19-JUN-07	SK	R537047
Benzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Bromodichloromethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Bromoform		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Bromomethane		<1		1	ug/L		19-JUN-07	SK	R537047
Carbon Disulfide		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Carbon tetrachloride		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Chlorobenzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Chloroethane		<1		1	ug/L		19-JUN-07	SK	R537047
Chloroform		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Chloromethane		<1		1	ug/L		19-JUN-07	SK	R537047
cis-1,2-Dichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
cis-1,3-Dichloropropene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Dibromochloromethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Dichlorodifluoromethane		<1		1	ug/L		19-JUN-07	SK	R537047
Dichloromethane		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Ethyl Benzene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
m+p-Xylenes		<1		1	ug/L		19-JUN-07	SK	R537047
Methyl Ethyl Ketone		<20		20	ug/L		19-JUN-07	SK	R537047
Methyl Isobutyl Ketone		<20		20	ug/L		19-JUN-07	SK	R537047
MTBE		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
o-Xylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Styrene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Tetrachloroethylene		<0.5	RAMB	0.5	ug/L		19-JUN-07	SK	R537047
Toluene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
trans-1,2-Dichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
trans-1,3-Dichloropropene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Trichloroethylene		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Trichlorofluoromethane		<1		1	ug/L		19-JUN-07	SK	R537047
Trihalomethanes (total)		<2.0		2	ug/L		19-JUN-07	SK	R537047
Vinyl chloride		<0.5		0.5	ug/L		19-JUN-07	SK	R537047
Xylenes (Total)		<1.5		1.5	ug/L		19-JUN-07	SK	R537047
Surr: 1,2-Dichloroethane d4		102		51-150	%		19-JUN-07	SK	R537047
Surr: Toluene-d8		96		72-123	%		19-JUN-07	SK	R537047
Surr: 4-Bromofluorobenzene		104		50-150	%		19-JUN-07	SK	R537047
Metal scan, dissolved plus Mercury									
Silver (Ag)-Dissolved		<0.0005		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L518129-3	GA07-6								
Sampled By:	CWB on 14-JUN-07								
Matrix:	WATER								
Metal scan, dissolved plus Mercury									
Aluminum (Al)-Dissolved		<0.02		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Arsenic (As)-Dissolved		0.0071		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Boron (B)-Dissolved		2.82		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Barium (Ba)-Dissolved		0.0417		0.0003	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Beryllium (Be)-Dissolved		<0.001		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Bismuth (Bi)-Dissolved		<0.0003		0.0003	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Calcium (Ca)-Dissolved		255		0.05	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Cadmium (Cd)-Dissolved		<0.0002		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Cobalt (Co)-Dissolved		0.0048		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Chromium (Cr)-Dissolved		<0.001		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Cesium (Cs)-Dissolved		<0.0001		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Copper (Cu)-Dissolved		0.0059		0.0004	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Iron (Fe)-Dissolved		0.37		0.01	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Potassium (K)-Dissolved		27.5		0.05	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Magnesium (Mg)-Dissolved		436		0.01	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Manganese (Mn)-Dissolved		1.29		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Mercury (Hg)-Dissolved		<0.0002		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Molybdenum (Mo)-Dissolved		0.100		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Sodium (Na)-Dissolved		380		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Nickel (Ni)-Dissolved		0.0198		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Phosphorus (P)-Dissolved		<0.02		0.02	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Lead (Pb)-Dissolved		0.0008		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Rubidium (Rb)-Dissolved		0.0057		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Antimony (Sb)-Dissolved		0.030		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Selenium (Se)-Dissolved		0.003		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Silicon (Si)-Dissolved		7.2		0.2	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Tin (Sn)-Dissolved		0.0003		0.0003	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Strontium (Sr)-Dissolved		1.56		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Tellurium (Te)-Dissolved		<0.0005		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Titanium (Ti)-Dissolved		0.0136		0.0005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Thallium (Tl)-Dissolved		0.0066		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Uranium (U)-Dissolved		0.0123		0.0001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Vanadium (V)-Dissolved		0.024		0.001	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Tungsten (W)-Dissolved		0.0128		0.0002	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Zinc (Zn)-Dissolved		0.109		0.005	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
Zirconium (Zr)-Dissolved		0.0060		0.0004	mg/L	19-JUN-07	19-JUN-07	DAG	R537692
EPA PAH									
1-Methyl Naphthalene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
2-Methyl Naphthalene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Acenaphthene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Acenaphthylene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Anthracene		0.00001		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(a)anthracene		0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(a)pyrene		0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(b)fluoranthene		0.00003		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(ghi)perylene		0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Benzo(k)fluoranthene		0.00001		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Chrysene		<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Dibenzo(ah)anthracene		<0.00001		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Fluoranthene		0.00003		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L518129-3	GA07-6								
Sampled By:	CWB on 14-JUN-07								
Matrix:	WATER								
EPA PAH									
	Fluorene	<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Indeno(1,2,3 cd)pyrene	0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Naphthalene	<0.00005		0.00005	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Phenanthrene	0.00002		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
	Pyrene	0.00003		0.00001	mg/L	20-JUN-07	21-JUN-07	JAP	R538539
Surr:	2-Fluorobiphenyl Surr	76		25-175	%	20-JUN-07	21-JUN-07	JAP	R538539
Surr:	Nitrobenzene Surr	85		25-175	%	20-JUN-07	21-JUN-07	JAP	R538539
Surr:	Terphenyl Surr	78		25-175	%	20-JUN-07	21-JUN-07	JAP	R538539
* Refer to Referenced Information for Qualifiers (if any) and Methodology.									

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
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)
MET-SC+HG-DIS-LOW-WP	Water	Metal scan, dissolved plus Mercury		EPA 200.8 Rev 5.4 May 1994
PAH-EPA-WP	Water	EPA PAH		EPA SW846 8270B Sep 1994,3510B Sep 1992
Samples are stored in the dark at 4 degrees C until extraction. Samples are partitioned at basic and acidic pH with dichloromethane, concentrated and esterified (if run in conjunction with pentachlorophenol). Extracts are analyzed by Gas Chromatography / Mass Spectrometry in the selected ion monitoring mode.				
VOC-ROU-WT	Water	Volatile Organics		SW846 8260

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

Chain of Custody numbers:

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
WP	ALS LABORATORY GROUP - WINNIPEG, MANITOBA, CANADA	WT	ALS LABORATORY GROUP - WATERLOO (SENTINEL), 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.