

APPENDIX A

Environmental Investigations



March 31, 2016

Project: 635734

Public Works and Government Services Canada
401 - 1230 Government Street
Victoria, BC
V8W 3X4

ATTENTION: Mr. Robert Price, Environmental Specialist

REFERENCE: **FY 2015/2016 Feasibility Study Data Report**
Toad River Maintenance Camp, KM 648.7, Alaska Highway, BC
PWGSC Project # R.018392.003

Introduction

At the request of Public Works and Government Services Canada (PWGSC), SNC-Lavalin Inc. (SNC-Lavalin) has prepared the following feasibility study data report for the Toad River Maintenance Camp, kilometre 648.7, Alaska Highway, BC (the “Site”).

All proposed work was conducted under the Remediation Consultants Contract No. EZ897-160027/003/PWY and PWGSC Project No. R.018392.003.

Location

The Toad River Maintenance Camp is located approximately 189 km west of Fort Nelson, BC, on the north side of the Alaska Highway.

Objectives

A remedial excavation program is anticipated for FY 2016/2017 to address the remediation of hydrocarbon impacted soil at the Site. The feasibility study was intended to provide additional data to facilitate the preparation of a remediation plan and tender specifications.

Activities Performed

A drilling program was conducted at the Site on March 9 to 10, 2016. Figure 1 in Attachment 1 shows the locations of boreholes advanced on the Site. Boreholes were completed using a combination of solid stem auger and air rotary equipped drill rigs. Analytical results for soil samples collected from the boreholes are tabulated in Attachment 2 and laboratory Certificates of Analysis are included in Attachment 3. Borehole logs are included in Attachment 4.





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PWGSC – Toad River Maintenance Camp – Page 2 of 2
March 31, 2016

Project: 635734

Closure

We trust this provides you with the information you currently require. If you have any questions or require any additional information, please do not hesitate to contact us.

William CullochDasson, M.Sc., P.Geo.

Senior Project Geoscientist

Environment & Geoscience
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Senior Project Manager

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Attachments:

- 1: Figure 1
- 2: Tabulated Analytical Results
- 3: Laboratory Certificates of Analysis
- 4: Borehole Logs



ATTACHMENT 1

Figure 1



LEGEND		NOTES		REFERENCE DRAWINGS		SNC • LAVALIN					
		1. ORIGINAL DRAWING IN COLOUR. 2. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED PRIOR TO INTRUSIVE WORK. NOT ALL UTILITIES MAY BE SHOWN.		DWG. NO.		CLIENT NAME:		PROJECT LOCATION:			
				DATE				TOAD RIVER ALASKA HIGHWAY, BC			
				DESCRIPTION		TITLE:					
				REVISONS		FIGURE 1 - SITE PLAN					
				0		DWN BY: PB		SCALE: 1:800			
				2016-03-31		ISSUED AS DRAFT		DATE: 2016-03-30			
				REV.		BY		CHK'D: WC			
				DATE		DESCRIPTION		PLOT: 20160330.1441			
						PRT		CADFILE: 635734			
						WC		DWG No: 635734-102			
								REV.: 0			

ATTACHMENT 2

Tabulated Analytical Results

TABLE 1: Soil Sample Log

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Sample Type	Description	Depth (m)	Headspace (ppm)
SS16-1	SS16-1	2016 03 11	Surface	SAND and GRAVEL, some silt, brown, rootlets.	0.0-0.2	50
	SS16-2	2016 03 11	Surface	Blind field duplicate of SS16-1.	0.0-0.2	50
SS16-3	SS16-3	2016 03 15	Surface	SAND and GRAVEL, trace silt, black, hydrocarbon-like odour, hydrocarbon-like staining.	0.0-0.1	-

TABLE 2: Summary of Analytical Results for Grain Size in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Grain Size	
				<200 mesh %	>200 mesh %
BH16-106	BH16-106-1	2016 03 09	0.3 - 0.6	7.68	92.3
	BH16-106-3	2016 03 10	3.8 - 4.1	10.9	89.1
	BH16-106-4	2016 03 10	5.6 - 5.9	34.1	65.9
	BH16-106-5	2016 03 10	6.7 - 7.0	70.7	29.3
	BH16-106-6	2016 03 10	7.8 - 8.1	66	34
BH16-109	BH16-109-1	2016 03 10	0.3 - 0.6	13	87
	BH16-109-2	2016 03 10	3.4 - 3.7	60.7	39.3
	BH16-109-3	Duplicate	3.4 - 3.7	58.5	41.5
	QA/QC RPD%			4	5
	BH16-109-5	2016 03 10	5.5 - 5.9	63.5	36.5
	BH16-109-6	2016 03 10	7.3 - 7.6	66.1	33.9
BH16-110	BH16-110-1	2016 03 10	2.0 - 2.3	33.6	66.5
	BH16-110-2	2016 03 10	5.2 - 5.5	86.2	13.8
	BH16-110-4	2016 03 10	7.8 - 8.1	70	30

Associated Maxxam file(s): B619461.

All terms defined within the body of SNC-Lavalin's report.

- < Denotes concentration less than indicated detection limit or RPD less than indicated value.
- Denotes analysis not conducted.
- * RPDs are not calculated where one or more concentrations are less than five times RDL.

TABLE 3: Summary of Analytical Results for Hydrocarbons in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^a (ppm)	Monocyclic Aromatic Hydrocarbons				Gross Parameters			Petroleum Hydrocarbon Fractions				MTBE
					Benzene µg/g	Ethyl- benzene µg/g	Toluene µg/g	Xylenes µg/g	VPH (C6-C10) µg/g	LEPH (C10-C19) µg/g	HEPH (C19-C32) µg/g	F1-BTEX µg/g	F2 (>C10-C16) µg/g	F3 (>C16-C34) µg/g	F4 (>C34-C50) µg/g	MTBE µg/g
BH16-106	BH16-106-1	2016 03 09	0.3 - 0.6	25	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	19	< 10	< 0.10
	BH16-106-2	2016 03 09	3.4 - 3.7	-	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	28	< 10	< 0.10
	BH16-106-3	2016 03 10	3.8 - 4.1	30	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	< 10	< 0.10
	BH16-106-4	2016 03 10	5.6 - 5.9	5	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	< 10	< 0.10
	BH16-106-5	2016 03 10	6.7 - 7.0	75	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	< 10	< 0.10
	BH16-106-6	2016 03 10	7.8 - 8.1	125	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	< 10	< 0.10
BH16-107	BH16-107-1	2016 03 09	0.3 - 0.6	100	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	96	47	< 0.10
	BH16-107-2	2016 03 09	3.4 - 3.7	75	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	12	< 10	< 0.10
	BH16-107-3	2016 03 09	5.5 - 5.8	75	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	15	< 10	< 0.10
	BH16-107-4	2016 03 09	7.6 - 7.9	500	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	21	< 10	< 0.10
BH16-108	BH16-108-1	2016 03 09	0.3 - 0.6	25	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	54	19	< 0.10
	BH16-108-2	2016 03 09	3.4 - 3.7	5	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	175	< 10	11	260	850 ^d	< 0.10
	BH16-108-3	Duplicate	3.4 - 3.7	5	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	185	< 10	< 10	240	640 ^d	< 0.10
	QA/QC RPD%				*	*	*	*	*	*	*	*	*	8	28	*
	BH16-108-4	2016 03 09	5.8 - 6.1	50	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	81	85	43	< 0.10
	BH16-108-6	2016 03 09	7.6 - 7.9	50	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	259	103	< 10	250	140	200	< 0.10
BH16-109	BH16-109-1	2016 03 10	0.3 - 0.6	50	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	37	12	< 0.10
	BH16-109-2	2016 03 10	3.4 - 3.7	25	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	140 ^d	< 0.10
	BH16-109-3	Duplicate	3.4 - 3.7	25	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	< 10	< 0.10
	QA/QC RPD%				*	*	*	*	*	*	*	*	*	*	*	*
	BH16-109-5	2016 03 10	5.5 - 5.9	50	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	43	< 0.10
	BH16-109-6	2016 03 10	7.3 - 7.6	75	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	51	170	150	< 0.10
BH16-110	BH16-110-1	2016 03 10	2.0 - 2.3	75	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	< 10	< 0.10
	BH16-110-2	2016 03 10	5.2 - 5.5	125	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	< 10	< 0.10
	BH16-110-4	2016 03 10	7.8 - 8.1	50	< 0.0050	< 0.010	< 0.020	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	< 10	< 0.10
	BH16-110-5	2016 03 10	9.3 - 9.6	25	< 0.0050	< 0.010	0.027	< 0.040	< 10	< 100	< 100	< 10	< 10	< 10	< 10	< 0.10
SS16-1	SS16-1	2016 03 11	0.0 - 0.2	50	-	-	-	-	-	< 100	881	-	39	1,100	230	-
	SS16-2	Duplicate	0.0 - 0.2	50	-	-	-	-	-	< 100	358	-	13	420	83	-
	QA/QC RPD%				-	-	-	-	-	*	*	-	*	89	94	-
SS16-3	SS16-3	2016 03 15	0.0 - 0.1	-	-	-	-	-	-	2,570	37,100	-	2,000	42,000	8,300	-
Federal Standard/Guideline																
CCME CEQG/CWS Residential/Parkland Fine-Grained Surface (sample depth < 1.5m) ^b					0.0068	0.018	0.08	2.4	n/a	n/a	n/a	170	150	1,300	5,600	n/a
CCME CEQG/CWS Residential/Parkland Fine-Grained Subsoil (sample depth > 1.5m) ^b					0.0068	0.018	0.08	2.4	n/a	n/a	n/a	170	230	3,500	10,000	n/a
CCME CEQG/CWS Residential/Parkland Coarse-Grained Surface (sample depth < 1.5m) ^b					0.0095	0.082	0.37	11	n/a	n/a	n/a	30	150	300	2,800	n/a
CCME CEQG/CWS Residential/Parkland Coarse-Grained Subsoil (sample depth > 1.5m) ^b					0.011	0.082	0.37	11	n/a	n/a	n/a	30	150	2,500	10,000	n/a
BC Standard																
CSR Residential Land Use (RL) ^c					0.04	1	1.5	5	200	1,000	1,000	n/a	n/a	n/a	n/a	320

Associated Maxxam file(s): B619461, B620857.

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- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD	Concentration greater than CCME CEQG/CWS Residential/Parkland Land Use (RL/PL) standard.
SHADOW	Concentration greater than CSR Residential Land Use (RL) Standard

^a Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

^b Pathways Included: Direct Contact, Eco Soil Contact, Management Limit, Protection of Groundwater for Aquatic Life, Tier 1 - General, Vapour Inhalation (indoor, basement), Vapour Inhalation (indoor, slab-on-grade), Protection of Potable Groundwater.

^c The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

^d F4 value did not return to baseline and as such F4 Gravimetric (Gravimetric Heavy Hydrocarbons) was completed; the greater of the two is reported.

TABLE 4: Summary of Analytical Results for PAHs in Soil

Sample Location		BH16-106						BH16-107				Federal Guideline	BC Standard
Sample ID		BH16-106-1	BH16-106-2	BH16-106-3	BH16-106-4	BH16-106-5	BH16-106-6	BH16-107-1	BH16-107-2	BH16-107-3	BH16-107-4	CCME CEQG Residential/ Parkland Land Use (RL/PL) ^c	CSR Residential Land Use (RL) ^d
Sample Date (yyyy mm dd)		2016 03 09	2016 03 09	2016 03 10	2016 03 10	2016 03 10	2016 03 10	2016 03 09	2016 03 09	2016 03 09	2016 03 09		
Depth Interval (m)		0.3 - 0.6	3.4 - 3.7	3.8 - 4.1	5.6 - 5.9	6.7 - 7.0	7.8 - 8.1	0.3 - 0.6	3.4 - 3.7	5.5 - 5.8	7.6 - 7.9		
Field Screen (ppm) ^b		25	-	30	5	75	125	100	75	75	500		
Parameter	Units	Analytical Results											
Polycyclic Aromatic Hydrocarbons													
Naphthalene	µg/g	< 0.010	< 0.010	< 0.010	< 0.010	<u>0.1</u>	<u>0.018</u>	< 0.010	< 0.010	< 0.010	<u>0.096</u>	0.013	5
2-Methylnaphthalene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	0.11	0.044	< 0.020	< 0.020	< 0.020	0.042	n/a	n/a
Acenaphthylene	µg/g	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	320	n/a
Acenaphthene	µg/g	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.28	n/a
Fluorene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.25	n/a
Phenanthrene	µg/g	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.019	< 0.010	< 0.010	< 0.010	0.046	5
Anthracene	µg/g	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0046	< 0.0040	< 0.0040	< 0.0040	2.5	n/a
Fluoranthene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.074	< 0.020	< 0.020	< 0.020	15.4	n/a
Pyrene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.091	< 0.020	< 0.020	< 0.020	7.7	10
Benzo(a)anthracene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.032	< 0.020	< 0.020	< 0.020	1	1
Chrysene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.039	< 0.020	< 0.020	< 0.020	6.2	n/a
Benzo(b+j)fluoranthene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.024	< 0.020	< 0.020	< 0.020	6.2	1
Benzo(k)fluoranthene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	1	1
Benzo(a)pyrene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.035	< 0.020	< 0.020	< 0.020	0.6	1
Indeno(1,2,3-cd)pyrene	µg/g	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	1	1
Dibenz(a,h)anthracene	µg/g	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	1	1
Benzo(g,h,i)perylene	µg/g	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	n/a	n/a
B(a)P Equivalency	None	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	5.3	n/a
Index of Additive Cancer Risk	None	0.31	0.31	0.31	0.31	0.31	0.31	0.54	0.31	0.31	0.31	1	n/a

Associated Maxxam file(s): B619461, B620857.

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* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD	Concentration greater than CCME CEQG Residential/Parkland Land Use (RL/PL) Guideline
SHADOW	Concentration greater than CSR Residential Land Use (RL) Standard

^a Laboratory detection limit exceeds regulatory standard/guideline.

^b Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

^c Pathways Included: EH - Soil contact, Freshwater Aquatic Life, HH - Soil Dermal Contact, HH-Off-site migration check, Soil General (whichever is most stringent).

^d The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

TABLE 4 (Cont'd): Summary of Analytical Results for PAHs in Soil

Sample Location		BH16-108						BH16-109				Federal Guideline	BC Standard
Sample ID	Sample Date (yyyy mm dd)	BH16-108-1	BH16-108-2	BH16-108-3	QA/QC RPD %	BH16-108-4	BH16-108-6	BH16-109-1	BH16-109-2	BH16-109-3	QA/QC RPD %	CCME CEQG Residential/ Parkland Land Use (RL/PL) ^c	CSR Residential Land Use (RL) ^d
Depth Interval (m)		2016 03 09	2016 03 09	Duplicate		2016 03 09	2016 03 09	2016 03 10	2016 03 10	Duplicate			
Field Screen (ppm) ^b		0.3 - 0.6	3.4 - 3.7	3.4 - 3.7		5.8 - 6.1	7.6 - 7.9	0.3 - 0.6	3.4 - 3.7	3.4 - 3.7			
Parameter	Units	25	5	5		50	50	50	25	25			
Analytical Results													
Polycyclic Aromatic Hydrocarbons													
Naphthalene	µg/g	< 0.010	< 0.010	< 0.010	*	<u>0.057</u>	<u>0.24</u>	< 0.010	< 0.010	< 0.010	*	0.013	5
2-Methylnaphthalene	µg/g	< 0.020	< 0.020	< 0.020	*	0.35	1.5	< 0.020	< 0.020	< 0.020	*	n/a	n/a
Acenaphthylene	µg/g	< 0.0050	< 0.0050	< 0.0050	*	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	*	320	n/a
Acenaphthene	µg/g	< 0.0050	< 0.0050	< 0.0050	*	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	*	0.28	n/a
Fluorene	µg/g	< 0.020	< 0.020	< 0.020	*	< 0.020	0.042	< 0.020	< 0.020	< 0.020	*	0.25	n/a
Phenanthrene	µg/g	< 0.010	< 0.010	< 0.010	*	< 0.010	0.031	< 0.010	< 0.010	< 0.010	*	0.046	5
Anthracene	µg/g	< 0.0040	< 0.0040	< 0.0040	*	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	*	2.5	n/a
Fluoranthene	µg/g	< 0.020	< 0.020	< 0.020	*	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	15.4	n/a
Pyrene	µg/g	< 0.020	< 0.020	< 0.020	*	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	7.7	10
Benzo(a)anthracene	µg/g	< 0.020	< 0.020	< 0.020	*	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	1	1
Chrysene	µg/g	< 0.020	< 0.020	< 0.020	*	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	6.2	n/a
Benzo(b+j)fluoranthene	µg/g	< 0.020	< 0.020	< 0.020	*	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	6.2	1
Benzo(k)fluoranthene	µg/g	< 0.020	< 0.020	< 0.020	*	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	1	1
Benzo(a)pyrene	µg/g	< 0.020	< 0.020	< 0.020	*	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	0.6	1
Indeno(1,2,3-cd)pyrene	µg/g	< 0.050	< 0.050	< 0.050	*	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	*	1	1
Dibenz(a,h)anthracene	µg/g	< 0.050	< 0.050	< 0.050	*	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	*	1	1
Benzo(g,h,i)perylene	µg/g	< 0.050	< 0.050	< 0.050	*	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	*	n/a	n/a
B(a)P Equivalency	None	< 0.10	< 0.10	< 0.10	*	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	*	5.3	n/a
Index of Additive Cancer Risk	None	0.31	0.31	0.31	*	0.31	0.31	0.31	0.31	0.31	*	1	n/a

Associated Maxxam file(s): B619461, B620857.

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^a Laboratory detection limit exceeds regulatory standard/guideline.

^b Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

^c Pathways Included: EH - Soil contact, Freshwater Aquatic Life, HH - Soil Dermal Contact, HH-Off-site migration check, Soil General (whichever is most stringent).

^d The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

TABLE 4 (Cont'd): Summary of Analytical Results for PAHs in Soil

Sample Location		BH16-109 (Cont'd)		BH16-110				SS16-1			SS16-3	Federal Guideline	BC Standard
Sample ID	Sample Date (yyyy mm dd)	BH16-109-5	BH16-109-6	BH16-110-1	BH16-110-2	BH16-110-4	BH16-110-5	SS16-1	SS16-2	QA/QC RPD %	SS16-3	CCME CEQG Residential/ Parkland Land Use (RL/PL) ^c	CSR Residential Land Use (RL) ^d
Depth Interval (m)		2016 03 10	2016 03 10	2016 03 10	2016 03 10	2016 03 10	2016 03 10	2016 03 11	Duplicate		2016 03 15		
Field Screen (ppm) ^b		5.5 - 5.9	7.3 - 7.6	2.0 - 2.3	5.2 - 5.5	7.8 - 8.1	9.3 - 9.6	0.0 - 0.2	0.0 - 0.2		0.0 - 0.1		
Parameter	Units	50	75	75	125	50	25	50	50	-			
Analytical Results													
Polycyclic Aromatic Hydrocarbons													
Naphthalene	µg/g	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	*	< 0.095 ^a	0.013	5
2-Methylnaphthalene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	0.14	n/a	n/a
Acenaphthylene	µg/g	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	*	< 0.032	320	n/a
Acenaphthene	µg/g	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	*	< 0.0050	0.28	n/a
Fluorene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	< 0.020	0.25	n/a
Phenanthrene	µg/g	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	*	< 0.010	0.046	5
Anthracene	µg/g	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	*	< 0.0040	2.5	n/a
Fluoranthene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	0.081	15.4	n/a
Pyrene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	0.12	7.7	10
Benzo(a)anthracene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	< 0.020	1	1
Chrysene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	< 0.022	6.2	n/a
Benzo(b+j)fluoranthene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	< 0.020	6.2	1
Benzo(k)fluoranthene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	< 0.020	1	1
Benzo(a)pyrene	µg/g	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	*	< 0.020	0.6	1
Indeno(1,2,3-cd)pyrene	µg/g	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	*	< 0.050	1	1
Dibenz(a,h)anthracene	µg/g	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	*	< 0.050	1	1
Benzo(g,h,i)perylene	µg/g	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	*	< 0.050	n/a	n/a
B(a)P Equivalency	None	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	*	< 0.10	5.3	n/a
Index of Additive Cancer Risk	None	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	*	0.31	1	n/a

Associated Maxxam file(s): B619461, B620857.

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD	Concentration greater than CCME CEQG Residential/Parkland Land Use (RL/PL) Guideline
SHADOW	Concentration greater than CSR Residential Land Use (RL) Standard

^a Laboratory detection limit exceeds regulatory standard/guideline.

^b Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

^c Pathways Included: EH - Soil contact, Freshwater Aquatic Life, HH - Soil Dermal Contact, HH-Off-site migration check, Soil General (whichever is most stringent).

^d The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

TABLE 5: Summary of Analytical Results for Inorganics in Soil

Sample Location Sample ID Sample Date (yyyy mm dd) Depth Interval (m)		BH16-106					BH16-107			Federal Guideline	BC Standard
		BH16-106-1 2016 03 09 0.3 - 0.6	BH16-106-2 2016 03 09 3.4 - 3.7	BH16-106-3 2016 03 10 3.8 - 4.1	BH16-106-4 2016 03 10 5.6 - 5.9	BH16-106-5 2016 03 10 6.7 - 7.0	BH16-107-1 2016 03 09 0.3 - 0.6	BH16-107-2 2016 03 09 3.4 - 3.7	BH16-107-3 2016 03 09 5.5 - 5.8	CCME CEQG Residential/ Parkland Land Use (RL/PL) ^a	CSR Residential Land Use (RL) ^b
		Analytical Results									
Parameter	Units										
Physical Parameters											
pH	pH	-	9.21	9.42	9.35	-	8.57	-	8.93	n/a	n/a
Field Conductivity	uS/cm	24	500	144	610	3,800	5,840	1,038	12,600	n/a	n/a
Soil Salinity											
% Saturation	%	48.2	38.2	34.4	35.6	39.3	38.5	29.5	35.6	n/a	n/a
Saturated Paste Conductivity	uS/cm	2,870	4,160	2,550	5,850	10,900	19,600	13,900	21,600	n/a	n/a
Saturated Paste Sodium	µg/g	311	350	192	449	916	1,740	905	1,730	n/a	200
Saturated Paste Chloride	µg/g	366	453	227	590	1,170	2,580	1,310	2,700	n/a	90
Total Metals											
Antimony	µg/g	-	0.29	0.64	1.31	-	0.48	-	1.24	20	20
Arsenic	µg/g	-	2.6	3.37	3.72	-	3.4	-	3.78	12	15
Barium	µg/g	-	32.3	59.4	168	-	88.3	-	150	500	400
Beryllium	µg/g	-	< 0.40	< 0.40	< 0.40	-	0.43	-	< 0.40	4	4
Cadmium	µg/g	-	0.42	0.738	1.39	-	0.39	-	1.17	10	35 (pH >8.0)
Chromium	µg/g	-	11	11.6	15.1	-	14.5	-	13.2	64	60 ^d
Cobalt	µg/g	-	5.89	5.64	4.6	-	6.53	-	4.8	50	50
Copper	µg/g	-	15	17.6	15.8	-	11.7	-	16.7	63	150 (pH >6.0)
Lead	µg/g	-	8.48	8.53	6.93	-	13.2	-	7.61	140	400 (pH >6.0)
Lithium	µg/g	-	18.8	17.3	12.5	-	21.4	-	12.7	n/a	1,600
Manganese	µg/g	-	316	321	265	-	266	-	262	n/a	1,800
Mercury	µg/g	-	< 0.050	< 0.050	< 0.050	-	< 0.050	-	< 0.050	6.6	15
Molybdenum	µg/g	-	1.02	2.95	3.11	-	1.92	-	3.78	10	10
Nickel	µg/g	-	13.4	16.8	18.4	-	17.1	-	18.7	45	100
Selenium	µg/g	-	< 0.50	< 0.50	0.68	-	< 0.50	-	0.77	1	3
Silver	µg/g	-	0.074	0.097	0.183	-	0.077	-	0.16	20	20
Strontium	µg/g	-	181	177	166	-	69.9	-	163	n/a	47,000
Thallium	µg/g	-	0.078	0.157	0.27	-	0.123	-	0.251	1	n/a
Tin	µg/g	-	0.14	0.17	0.18	-	0.3	-	0.22	50	50
Uranium	µg/g	-	0.581	0.911	1.24	-	0.664	-	1.56	23	16
Vanadium	µg/g	-	17.4	23.1	41.8	-	26.9	-	41.2	130	200
Zinc	µg/g	-	42.1	55.8	57.6	-	51.2	-	58.7	200	450 (pH >7.0)

Associated file(s): .
Associated Maxxam file(s): B619461.
All terms defined within the body of SNC-Lavalin's report.
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- Denotes analysis not conducted.
n/a Denotes no applicable standard/guideline.
* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD	Concentration greater than CCME CEQG Residential/Parkland Land Use (RL/PL) Guideline
SHADOW	Concentration greater than CSR Residential Land Use (RL) Standard

^a Pathways Included: EH - Soil contact, Freshwater Aquatic Life, HH - Soil Dermal Contact, HH-Off-site migration check, Soil General (whichever is most stringent).
^b The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

TABLE 5 (Cont'd): Summary of Analytical Results for Inorganics in Soil

Sample Location		BH16-108					BH16-109					Federal Guideline	BC Standard
Sample ID		BH16-108-1	BH16-108-2	BH16-108-3	QA/QC	BH16-108-4	BH16-109-1	BH16-109-2	BH16-109-3	QA/QC	BH16-109-5	CCME CEQG Residential/ Parkland Land Use (RL/PL) ^a	CSR Residential Land Use (RL) ^b
Sample Date (yyyy mm dd)		2016 03 09	2016 03 09	Duplicate	RPD %	2016 03 09	2016 03 10	2016 03 10	Duplicate	RPD %	2016 03 10		
Depth Interval (m)		0.3 - 0.6	3.4 - 3.7	3.4 - 3.7		5.8 - 6.1	0.3 - 0.6	3.4 - 3.7	3.4 - 3.7		5.5 - 5.9		
Parameter	Units	Analytical Results											
Physical Parameters													
pH	pH	8.78	8.96	8.88	*	-	-	8.77	8.79	*	8.63	n/a	n/a
Field Conductivity	uS/cm	107	496	496	*	750	17	88	88	*	242	n/a	n/a
Soil Salinity													
% Saturation	%	38.8	38.8	37.3	4	42.6	36.7	38.8	38.7	0	45.5	n/a	n/a
Saturated Paste Conductivity	uS/cm	7,450	3,990	4,100	3	2,720	1,390	677	674	0	1,350	n/a	n/a
Saturated Paste Sodium	µg/g	645	330	321	3	248	73.9	49.4	49.6	0	94.8	n/a	200
Saturated Paste Chloride	µg/g	721	445	430	3	299	104	46.6	45.9	2	142	n/a	90
Total Metals													
Antimony	µg/g	0.49	0.38	0.44	*	-	-	0.84	0.98	15	0.81	20	20
Arsenic	µg/g	3.47	2.62	2.71	3	-	-	3.81	3.94	3	3.24	12	15
Barium	µg/g	93.5	44.5	47.8	7	-	-	141	135	4	154	500	400
Beryllium	µg/g	0.56	< 0.40	< 0.40	*	-	-	0.5	0.42	*	< 0.40	4	4
Cadmium	µg/g	0.447	0.544	0.533	2	-	-	0.888	0.914	3	1.03	10	35 (pH >8.0)
Chromium	µg/g	15.7	10.3	10.5	2	-	-	13.9	12.2	13	13.5	64	60 ^d
Cobalt	µg/g	6.78	5.52	5.66	3	-	-	6.57	6.38	3	5.6	50	50
Copper	µg/g	16.6	17.4	22.8	27	-	-	19.4	18.9	3	16.6	63	150 (pH >6.0)
Lead	µg/g	14.7	8.71	9.1	4	-	-	9.64	9.43	2	8.22	140	400 (pH >6.0)
Lithium	µg/g	20.5	18.4	17.4	*	-	-	17	15.5	*	15.8	n/a	1,600
Manganese	µg/g	422	301	308	2	-	-	314	319	2	285	n/a	1,800
Mercury	µg/g	< 0.050	< 0.050	< 0.050	*	-	-	< 0.050	< 0.050	*	< 0.050	6.6	15
Molybdenum	µg/g	1.89	1.4	1.6	13	-	-	3.35	3.76	12	2.52	10	10
Nickel	µg/g	18.7	13.5	13.9	3	-	-	21.1	20.7	2	17.6	45	100
Selenium	µg/g	< 0.50	< 0.50	< 0.50	*	-	-	< 0.50	0.53	*	< 0.50	1	3
Silver	µg/g	0.111	0.097	0.078	*	-	-	0.154	0.164	*	0.14	20	20
Strontium	µg/g	73.8	186	175	6	-	-	157	159	1	139	n/a	47,000
Thallium	µg/g	0.114	0.099	0.116	*	-	-	0.194	0.205	*	0.162	1	n/a
Tin	µg/g	0.23	0.27	0.51	*	-	-	0.19	0.2	*	0.18	50	50
Uranium	µg/g	0.67	0.654	0.653	0	-	-	1.19	1.12	6	0.86	23	16
Vanadium	µg/g	29.5	20	20.7	3	-	-	23.4	23.6	1	24.1	130	200
Zinc	µg/g	45.1	41.4	43.4	5	-	-	66.6	65.4	2	57.3	200	450 (pH >7.0)

Associated file(s): .
Associated Maxxam file(s): B619461.
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^a Pathways Included: EH - Soil contact, Freshwater Aquatic Life, HH - Soil Dermal Contact, HH-Off-site migration check, Soil General (whichever is most stringent).
^b The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

TABLE 5 (Cont'd): Summary of Analytical Results for Inorganics in Soil

Sample Location		BH16-110			Federal Guideline	BC Standard
Sample ID	BH16-110-1	BH16-110-2	BH16-110-4	CCME CEQG Residential/ Parkland Land Use (RL/PL) ^a	CSR Residential Land Use (RL) ^b	
Sample Date (yyyy mm dd)	2016 03 10	2016 03 10	2016 03 10			
Depth Interval (m)	2.0 - 2.3	5.2 - 5.5	7.8 - 8.1			
Parameter	Units	Analytical Results				
Physical Parameters						
pH	pH	8.43	-	8.85	n/a	n/a
Field Conductivity	uS/cm	72	617	554	n/a	n/a
Soil Salinity						
% Saturation	%	39.1	38	39.5	n/a	n/a
Saturated Paste Conductivity	uS/cm	1,020	1,660	1,340	n/a	n/a
Saturated Paste Sodium	µg/g	16.3	122	108	n/a	200
Saturated Paste Chloride	µg/g	101	154	120	n/a	90
Total Metals						
Antimony	µg/g	2.23	-	0.82	20	20
Arsenic	µg/g	5.21	-	3.35	12	15
Barium	µg/g	165	-	172	500	400
Beryllium	µg/g	< 0.40	-	0.42	4	4
Cadmium	µg/g	1.94	-	1.13	10	35 (pH >8.0)
Chromium	µg/g	19.3	-	13.9	64	60 ^d
Cobalt	µg/g	6.01	-	5.88	50	50
Copper	µg/g	19.1	-	16.3	63	150 (pH >6.0)
Lead	µg/g	10.5	-	9.25	140	400 (pH >6.0)
Lithium	µg/g	16.1	-	17.3	n/a	1,600
Manganese	µg/g	238	-	296	n/a	1,800
Mercury	µg/g	< 0.050	-	< 0.050	6.6	15
Molybdenum	µg/g	4.56	-	2.69	10	10
Nickel	µg/g	27.9	-	17.9	45	100
Selenium	µg/g	1.72	-	0.68	1	3
Silver	µg/g	0.209	-	0.152	20	20
Strontium	µg/g	139	-	139	n/a	47,000
Thallium	µg/g	0.333	-	0.155	1	n/a
Tin	µg/g	0.21	-	0.2	50	50
Uranium	µg/g	1.53	-	0.965	23	16
Vanadium	µg/g	47.8	-	25.7	130	200
Zinc	µg/g	79.9	-	59.5	200	450 (pH >7.0)

Associated file(s): .
Associated Maxxam file(s): B619461.
All terms defined within the body of SNC-Lavalin's report.
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^a Pathways Included: EH - Soil contact, Freshwater Aquatic Life, HH - Soil Dermal Contact, HH-Off-site migration check, Soil General (whichever is most stringent).
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ATTACHMENT 3

Laboratory Certificates of Analysis

NOT INCLUDED

ATTACHMENT 4

Borehole Logs

DRAFT

		Client Public Works and Gov't Services Canada		Borehole No. : BH16-106	
		Location Toad River Maintenance Camp, BC		PAGE 1 OF 1	
Drilling Contractor: Diverse Drilling Ltd. Drilling Method: Solid Stem Auger/Air Rotary Borehole Dia. (m): 0.15 Pipe/Slotted Pipe Dia. (m): none/none		Date Monitored: n/a Ground Surface Elev. (m): 707.323 Top of Casing Elev. (m): n/a Northing: 6525423.022 Easting: 371070.980		Project Number: 635734 Borehole Logged By: YFW Date Drilled: 2016 03 10 Log Typed By: NDS	

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	EC (uS/cm)	% Recovery	Soil Vapour (ppm)			
							10 ¹	10 ²	10 ³	10 ⁴
0	SAND and GRAVEL, fine grained sand, fine to coarse gravel, trace silt, brown, loose, dry.			106-1	24	○ 25				
1										
2	SAND, fine to medium grained, some gravel, fine to coarse, angular to subrounded, trace silt, brown, loose, dry. Below 2.1 m - damp.			106-2	500	○ 50				
3										
4	Below 3.0 m - some gravel, fine, trace coarse gravel, angular.									
5				106-3	144	○ 30				
6										
7										
8	SAND, fine to medium grained, silty, some gravel, fine, brown, loose, damp.			106-4	610	● 5				
9										
10										
11	SILT and SAND, fine grained, trace gravel, fine, light brown, loose, moist, odour (unknown).			106-5	3800	○ 75				
12										
13										
14	At 7.5 m - cobble.			106-6	5100	○ 125				
15										
16	SILT, sandy, fine grained, trace gravel, fine, brown, medium dense, moist.									
17										
18										
19										
20	Bottom of hole at 9.1 m.									

NOTES
 Bolded sample denotes sample analyzed. Hole originally drilled with air rotary on 2016 03 09 to 4.3 m (refusal).

DRAFT

		Client Public Works and Gov't Services Canada		Borehole No. : BH16-107	
		Location Toad River Maintenance Camp, BC		PAGE 1 OF 1	
Drilling Contractor: Diverse Drilling Ltd. Drilling Method: Air Rotary Borehole Dia. (m): 0.10 Pipe/Slotted Pipe Dia. (m): none/none		Date Monitored: n/a Ground Surface Elev. (m): 707.333 Top of Casing Elev. (m): n/a Northing: 6525454.336 Easting: 371085.720		Project Number: 635734 Borehole Logged By: YFW Date Drilled: 2016 03 09 Log Typed By: NDS	

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	EC (uS/cm)	% Recovery	Soil Vapour (ppm)			
							10 ¹	10 ²	10 ³	10 ⁴
0	SAND, fine grained, some gravel, fine, loose, dry. Between 0.3 m and 0.6 m - trace silt, light brown.		107-1		5840		○ 100			
1	SAND, fine to medium grained, trace gravel, fine, loose, dry. Between 1.8 m and 2.4 m - some gravel, fine.									
2	Below 2.7 m - increasing gravel.									
3	SAND and GRAVEL, fine to medium grained sand, fine gravel, rounded to subrounded, brown, loose, damp.		107-2		1038		○ 75			
4	Below 4.0 m - trace silt.									
5	Below 5.5 m - some gravel, fine, wet.									
6										
7										
8	Bottom of hole at 8.2 m.		107-3		12600		○ 75			
9										
10			107-4		7600		○ 500			

NOTES
 Bolded sample denotes sample analyzed.

DRAFT

		Client Public Works and Gov't Services Canada		Borehole No. : BH16-108	
		Location Toad River Maintenance Camp, BC		PAGE 1 OF 1	
Drilling Contractor: Diverse Drilling Ltd. Drilling Method: Air Rotary Borehole Dia. (m): 0.10 Pipe/Slotted Pipe Dia. (m): none/none		Date Monitored: n/a Ground Surface Elev. (m): 707.328 Top of Casing Elev. (m): n/a Northing: 6525443.220 Easting: 371080.220		Project Number: 635734 Borehole Logged By: YFW Date Drilled: 2016 03 09 Log Typed By: NDS	

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	EC (uS/cm)	% Recovery	Soil Vapour (ppm)			
							10 ¹	10 ²	10 ³	10 ⁴
0	SAND and GRAVEL, fine grained sand, fine gravel, trace silt, brown, loose, dry.		108-1		107		○ 25			
1	Below 1.5 m - some gravel, fine, angular.									
2										
3	SAND, fine grained, trace gravel, fine, rounded to subrounded, brown, loose, damp.		108-2 108-3*		496		● 5			
4	Below 4.6 m - some gravel, fine, trace silt, increasing moisture.									
5	Below 5.5 m - moist.									
6			108-4		750		○ 50			
7	Below 7.0 m - hydrocarbon-like odour.	108-5		640		○ 50				
8		108-6		618		○ 50				
		108-7		650		○ 50				
9	Bottom of hole at 8.5 m.									
10										

NOTES
 Bolded sample denotes sample analyzed. *denotes blind field duplicate.
 108-3 is a blind field duplicate of 108-2.

DRAFT

		Client Public Works and Gov't Services Canada		Borehole No. : BH16-109	
		Location Toad River Maintenance Camp, BC		PAGE 1 OF 1	
Drilling Contractor: Diverse Drilling Ltd. Drilling Method: Solid Stem Auger/Air Rotary Borehole Dia. (m): 0.15 Pipe/Slotted Pipe Dia. (m): none/none		Date Monitored: n/a Ground Surface Elev. (m): 707.332 Top of Casing Elev. (m): n/a Northing: 6525454.338 Easting: 371085.728		Project Number: 635734 Borehole Logged By: YFW Date Drilled: 2016 03 10 Log Typed By: NDS	

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	EC (uS/cm)	% Recovery	Soil Vapour (ppm)			
							10 ¹	10 ²	10 ³	10 ⁴
0	SAND and GRAVEL, fine to medium grained sand, fine gravel, angular, trace silt, brown, loose, dry.		109-1	17		○ 50				
1										
2	SAND, fine to medium grained, some gravel, fine, trace silt, brown, loose, dry to damp. No recovery.									
3	SILT, sandy, fine grained, some gravel, fine to coarse, brown, soft, no plasticity, damp.		109-2 109-3*	88		○ 25				
4	Below 4.0 m - trace gravel, fine to coarse.		109-4	183		○ 50				
5										
6	At 6.1 m - sand seams. Between 6.1 m and 6.7 m - increasing sand, moist. Below 6.1 m - trace gravel, fine, occasional coarse gravel.		109-5	242		○ 50				
7										
8	Below 7.6 m - trace gravel, fine.		109-6	720		○ 75				
9	SAND, fine grained, silty, trace gravel, fine, brown, loose, moist to wet.		109-7	1048		○ 25				
10	Bottom of hole at 9.1 m.									

NOTES
 Bolded sample denotes sample analyzed. *denotes blind field duplicate.
 109-3 is a blind field duplicate of 109-2.

DRAFT

		Client Public Works and Gov't Services Canada		Borehole No. : BH16-110	
		Location Toad River Maintenance Camp, BC		PAGE 1 OF 2	
Drilling Contractor: Diverse Drilling Ltd. Drilling Method: Solid Stem Auger Borehole Dia. (m): 0.15 Pipe/Slotted Pipe Dia. (m): none/none		Date Monitored: n/a Ground Surface Elev. (m): 708.750 Top of Casing Elev. (m): n/a Northing: 6525464.143 Easting: 371078.320		Project Number: 635734 Borehole Logged By: YFW Date Drilled: 2016 03 10 Log Typed By: NDS	

Depth in Metres	Soil Description	Stratigraphy Plot	Sample Interval Core Run	Sample Number	EC (uS/cm)	% Recovery	Soil Vapour (ppm)				
							10 ¹	10 ²	10 ³	10 ⁴	
0	SAND, fine grained, some gravel, fine, some silt, light brown, loose, dry.										
1											
2	SAND, fine grained, some gravel, fine to coarse, trace silt, brown/light brown, loose, dry to damp.			110-1	72		○ 75				
3	SAND, fine to medium grained, brown, loose. SILT, sandy, light brown, soft, no plasticity, damp. Below 3.0 m - some gravel, fine. SAND, fine grained, silty, light brown, loose, damp.										
4											
5	SILT, sandy, fine grained, light brown, soft, no plasticity, damp.			110-2	617		○ 125				
6	SAND, fine grained, trace silt, brown/dark brown, loose, damp.			110-3	129		○ 50				
7											
8	SILT, sandy, brown/light brown, soft, no plasticity, damp.			110-4	554		○ 50				
9	Below 8.5 m - trace gravel, fine, angular.										
10	SILT, some sand, fine grained, trace clay, grey, firm, low plasticity, damp.			110-5	417		○ 25				

NOTES
 Bolded sample denotes sample analyzed.

DRAFT

QA YFW 2016 03 28 Print Date:2016-03-30

TABLE 1: Soil Sample Log

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Sample Type	Description	Depth (m)	Headspace (ppm)
SS16-1	SS16-1	2016 03 11	Surface	SAND and GRAVEL, some silt, brown, rootlets.	0.0-0.2	50
	SS16-2	2016 03 11	Surface	Blind field duplicate of SS16-1.	0.0-0.2	50
SS16-3	SS16-3	2016 03 15	Surface	SAND and GRAVEL, trace silt, black, hydrocarbon-like odour, hydrocarbon-like staining.	0.0-0.1	-
SS16-04	SS16-04	2016 05 29	Surface	SAND and GRAVEL, fine to medium grained sand, coarse gravel, subrounded, some cobbles, brown, loose, damp.	0.2-0.3	-
SS16-05	SS16-05	2016 05 29	Surface	SAND and GRAVEL, fine to medium grained sand, coarse gravel, subrounded, some cobbles, brown, loose, damp.	0.2-0.3	-
SS16-06	SS16-06	2016 05 29	Surface	SAND, fine to medium grained, some gravel, subrounded, brown, loose, damp, some roots, some organics.	0.2-0.3	-

TABLE 2: Summary of Analytical Results for Grain Size

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^a (ppm)	Grain Size	
					<200 mesh %	>200 mesh %
BSS1	BSS1	2007 10 30	0.0 - 0.1	-	29.8	70.2
CS77	CS77	2007 11 14	6	-	47.1	52.9
CS79	CS79	2007 11 14	3	-	37.7	62.3
CS80	CS80	2007 11 14	1	-	21.8	78.2
BH16-106	BH16-106-1	2016 03 09	0.3 - 0.6	25	7.68	92.3
	BH16-106-3	2016 03 10	3.8 - 4.1	30	10.9	89.1
	BH16-106-4	2016 03 10	5.6 - 5.9	5	34.1	65.9
	BH16-106-5	2016 03 10	6.7 - 7.0	75	70.7	29.3
	BH16-106-6	2016 03 10	7.8 - 8.1	125	66	34
BH16-109	BH16-109-1	2016 03 10	0.3 - 0.6	50	13	87
	BH16-109-2	2016 03 10	3.4 - 3.7	25	60.7	39.3
	BH16-109-3	Duplicate	3.4 - 3.7	25	58.5	41.5
	QA/QC RPD%				4	5
	BH16-109-5	2016 03 10	5.5 - 5.9	50	63.5	36.5
	BH16-109-6	2016 03 10	7.3 - 7.6	75	66.1	33.9
BH16-110	BH16-110-1	2016 03 10	2.0 - 2.3	75	33.6	66.5
	BH16-110-2	2016 03 10	5.2 - 5.5	125	86.2	13.8
	BH16-110-4	2016 03 10	7.8 - 8.1	50	70	30

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

TABLE 3 (Cont'd): Summary of Analytical Results for Hydrocarbons in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Monocyclic Aromatic Hydrocarbons					Gross Parameters					Petroleum Hydrocarbon Fractions				MTBE
					Benzene µg/g	Ethylbenzene µg/g	Toluene µg/g	Xylenes µg/g	Styrene µg/g	VPH (C6-C10) µg/g	LEPH (C10-C19) ^a µg/g	HEPH (C19-C32) ^e µg/g	Oil and Grease µg/g	HWR Oil and Grease µg/g	F1-BTEX µg/g	F2 (>C10-C16) µg/g	F3 (>C16-C34) µg/g	F4 (>C34-C50) µg/g	
CS61	CS61	2007 11 14	0.6	-	-	-	-	-	-	-	< 100	1,200	-	-	-	59	1,900	610	-
CS62	CS62	2007 11 14	0.2	-	-	-	-	-	-	-	< 100	< 100	-	-	-	< 50	< 50	< 50	-
CS63	CS63	2007 11 14	0.2	-	-	-	-	-	-	-	< 100	1,000	-	-	-	< 50	840	< 50	-
CS64	CS64	2007 11 14	0.2	-	-	-	-	-	-	-	< 100	< 100	-	-	-	< 50	< 50	< 50	-
CS65	CS65	2007 11 14	0.2	-	-	-	-	-	-	-	< 100	< 100	-	-	-	< 50	< 50	< 50	-
CS66	CS66	2007 11 14	0.2	-	-	-	-	-	-	-	< 100	< 100	-	-	-	< 50	< 50	< 50	-
CS67	CS67	2007 11 14	0.6	-	-	-	-	-	-	-	2,300	1,900	-	-	-	1,400	4,900	< 50	-
CS68	CS68	2007 11 14	0.3	-	-	-	-	-	-	-	< 100	< 100	-	-	-	< 50	< 50	< 50	-
CS69	CS69	2007 11 14	0.3	-	-	-	-	-	-	-	< 100	< 100	-	-	-	< 50	92	< 50	-

TABLE 3 (Cont'd): Summary of Analytical Results for Hydrocarbons in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Monocyclic Aromatic Hydrocarbons					Gross Parameters					Petroleum Hydrocarbon Fractions				MTBE
					Benzene µg/g	Ethylbenzene µg/g	Toluene µg/g	Xylenes µg/g	Styrene µg/g	VPH (C6-C10) µg/g	LEPH (C10-C19) ^e µg/g	HEPH (C19-C32) ^e µg/g	Oil and Grease µg/g	HWR Oil and Grease µg/g	F1-BTEX µg/g	F2 (>C10-C16) µg/g	F3 (>C16-C34) µg/g	F4 (>C34-C50) µg/g	
SP1	SP1	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	125	207	-	-
SP1-1	SP1-1	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	185	290	-	-
SP1-4	SP1-4	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	158	241	-	-
SP2	SP2	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	179	283	-	-
SP2-3	SP2-3	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	134	213	-	-
	GR1	Duplicate	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	165	281	-	-
	QA/QC RPD%				-	-	-	-	-	-	-	-	-	-	-	*	*	-	-
SP2-5	SP2-5	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	150	235	-	-
SP3	SP3	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	180	288	-	-
SP3-2	SP3-2	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	141	246	-	-
SP3-4	SP3-4	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	140	238	-	-
SP4	SP4	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	119	198	-	-
SP4-1	SP4-1	2010 09 13	0.0 - 0.2	-	-	-	-	-	-	-	-	-	-	-	-	93	154	-	-
SP4-4	SP4-4	2010 09 13	0.0 - 0.2	-	-	-	-	-											

TABLE 3 (Cont'd): Summary of Analytical Results for Hydrocarbons in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Monocyclic Aromatic Hydrocarbons					Gross Parameters					Petroleum Hydrocarbon Fractions				MTBE
					Benzene µg/g	Ethylbenzene µg/g	Toluene µg/g	Xylenes µg/g	Styrene µg/g	VPH (C6-C10) µg/g	LEPH (C10-C19) ^e µg/g	HEPH (C19-C32) ^e µg/g	Oil and Grease µg/g	HWR Oil and Grease µg/g	F1-BTEX µg/g	F2 (>C10-C16) µg/g	F3 (>C16-C34) µg/g	F4 (>C34-C50) µg/g	MTBE µg/g
BH88M	BH88M-5	2012 07 24	6.4 - 7.3	-	< 0.02 ^a	< 0.05 ^a	< 0.05	< 0.1	< 0.05	-	< 20	< 20	-	-	-	-	-	-	< 0.1
	BH88M-8	2012 07 24	11.0 - 12.0	-	< 0.02 ^a	< 0.05 ^a	< 0.05	< 0.1	< 0.05	-	< 20	< 20	-	-	-	-	-	-	< 0.1
	BH88M-9	2012 07 24	12.5 - 13.4	-	< 0.02 ^a	< 0.05 ^a	< 0.05	< 0.1	< 0.05	-	< 20	< 20	-	-	-	-	-	-	< 0.1
	2460-Dup4	Duplicate	12.5 - 13.4	-	< 0.02 ^a	< 0.05 ^a	< 0.05	< 0.1	< 0.05	-	< 20	< 20	-	-	-	-	-	-	< 0.1
	QA/QC RPD%				*	*	*	*	*	-	*	*	-	-	-	-	-	-	*
BH13-89 BH13-90	BH13-89-1-W18	2013 09 29	0.3 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	220	5,010	632	-	-	-	-	-	-	< 0.2
	BH13-90-9-W18	2013 09 29	5.6 - 5.7	-	0.011	0.016	< 0.04	0.044	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH13-90-10-W18	2013 09 29	6.6 - 6.7	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH13-90-B	Duplicate	6.6 - 6.7	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	QA/QC RPD%				*	*	*	*	*	*	*	*	-	-	-	-	-	-	*
	BH13-90-12-W18	2013 09 29	7.7 - 7.8	-	0.15	0.03	0.12	0.16	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH13-90-13-W18	2013 09 29	8.7 - 8.8	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
BH13-91	BH13-90-15-W18	2013 09 29	10.3 - 10.4	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH13-91-4-W18	2013 09 30	1.8 - 2.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH13-91-8-W18	2013 09 30	5.0 - 5.1	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH13-91-9-W18	2013 09 30	5.8 - 6.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH13-																		

TABLE 3 (Cont'd): Summary of Analytical Results for Hydrocarbons in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Monocyclic Aromatic Hydrocarbons					Gross Parameters					Petroleum Hydrocarbon Fractions				MTBE
					Benzene µg/g	Ethylbenzene µg/g	Toluene µg/g	Xylenes µg/g	Styrene µg/g	VPH (C6-C10) µg/g	LEPH (C10-C19) ^e µg/g	HEPH (C19-C32) ^e µg/g	Oil and Grease µg/g	HWR Oil and Grease µg/g	F1-BTEX µg/g	F2 (>C10-C16) µg/g	F3 (>C16-C34) µg/g	F4 (>C34-C50) µg/g	MTBE µg/g
BH14-99M	BH14-99-1-W18	2014 02 16	0.0 - 0.8	-	-	-	-	-	-	-	5,400	1,280	-	-	-	-	-	-	-
	BH14-99-2-W18	2014 02 16	0.8 - 1.5	-	< 0.01 ^a	<u>0.086</u>	< 0.04	0.27	< 0.06	250	4,330	999	-	-	-	-	-	-	< 0.2
	BH14-99-4-W18	2014 02 11	1.5 - 2.3	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-99-5-W18	2014 02 11	2.3 - 3.0	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-99-6-W18	2014 02 11	3.0 - 3.8	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-99-7-W18	2014 02 11	3.8 - 4.6	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-99-8-W18	2014 02 11	4.6 - 5.3	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH14-99-9-W18	2014 02 12	5.3 - 6.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH14-D-W18	Duplicate	5.3 - 6.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	QA/QC RPD%				*	*	*	*	*	*	*	*	-	-	-	-	-	-	*
	BH14-99-10-W18	2014 02 12	6.0 - 6.8	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-99-11-W18	2014 02 12	6.8 - 7.6	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH14-99-12-W18	2014 02 12	7.6 - 8.4	-	< 0.013 ^a	0.01	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
BH14-100M	BH14-100-1-W18	2014 02 16	0.0 - 0.5	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-100-2-W18	2014 02 16	0.5 - 1.1	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH14-100-3-W18	2014 02 16	1.1 - 1.8	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH14-100-4-W18	2014 02 15	1.8 - 2.5	-	-	-	-	-	-	-	215	< 200	-	-	-	-	-	-	-
	BH14-100-5-W18	2014 02 15	2.5 - 3.0	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-100-6-W18	2014 02 15	3.0 - 3.8	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-100-7-W18	2014 02 15	3.8 - 4.6	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-100-8-W18	2014 02 15	4.6 - 5.3	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH14-100-9-W18	2014 02 15	5.3 - 6.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH14-E-W18	Duplicate	5.3 - 6.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	QA/QC RPD%				*	*	*	*	*	*	*	*	-	-	-	-	-	-	*
	BH14-100-10-W18	2014 02 15	6.0 - 6.8	-	-	-	-	-	-	-	< 200	< 200	-	-	-	-	-	-	-
	BH14-100-11-W18	2014 02 15	6.8 - 7.6	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	BH14-100-12-W18	2014 02 15	7.6 - 8.4	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
BH14-101M	BH14-101-4-W18	2014 02 19	1.5 - 2.3	-	-	-	-	-	-	-	< 100	< 100	-	-	-	-	-	-	-
	BH14-101-5-W18	2014 02 19	2.3 - 3.0	-	-	-	-	-	-	-	< 100	< 100	-	-	-	-	-	-	-
	BH14-101-6-W18	2014 02 19	3.0 - 3.3	-	-	-	-	-	-	-	< 100	< 100	-	-	-	-	-	-	-
	BH14-101-7-W18	2014 02 19	3.3 - 4.6	-	-	-	-	-	-	-	< 100	< 100	-	-	-	-	-	-	-
	BH14-101-8-W18	2014 02 19	4.6 - 5.3	-	-	-	-	-	-	-	< 100	< 100	-	-	-	-	-	-	-

TABLE 3 (Cont'd): Summary of Analytical Results for Hydrocarbons in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Monocyclic Aromatic Hydrocarbons					Gross Parameters					Petroleum Hydrocarbon Fractions				MTBE
					Benzene µg/g	Ethylbenzene µg/g	Toluene µg/g	Xylenes µg/g	Styrene µg/g	VPH (C6-C10) µg/g	LEPH (C10-C19) ^e µg/g	HEPH (C19-C32) ^e µg/g	Oil and Grease µg/g	HWR Oil and Grease µg/g	F1-BTEX µg/g	F2 (>C10-C16) µg/g	F3 (>C16-C34) µg/g	F4 (>C34-C50) µg/g	MTBE µg/g
W18-SS9	W18-SS9-1	2014 02 16	0.0 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SS9-2	2014 02 16	0.5 - 1.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SS9-3	2014 02 16	1.0 - 1.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SSD-3	Duplicate	1.0 - 1.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	QA/QC RPD%				*	*	*	*	*	*	*	*	-	-	-	-	-	-	*
W18-SS10	W18-SS10-1	2014 02 17	0.0 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	16	1,340	1,150	-	-	-	-	-	-	< 0.2
	W18-SS10-2	2014 02 17	0.5 - 1.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	15	907	973	-	-	-	-	-	-	< 0.2
	W18-SS10-3	2014 02 17	1.0 - 1.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	11	966	906	-	-	-	-	-	-	< 0.2
	W18-SSD-4	Duplicate	1.0 - 1.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	1,040	1,000	-	-	-	-	-	-	< 0.2
	QA/QC RPD%				*	*	*	*	*	< 20	7	10	-	-	-	-	-	-	*
W18-SS11	W18-SS11-1	2014 02 17	0.0 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	369	-	-	-	-	-	-	< 0.2
	W18-SS11-2	2014 02 17	0.5 - 1.0	-	0.0073	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	243	-	-	-	-	-	-	< 0.2
	W18-SS11-3	2014 02 17	1.0 - 1.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
W18-SS12	W18-SS12-3	2014 02 18	0.0 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
W18-SS13	W18-SS13-1	2014 02 17	0.0 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SS13-2	2014 02 17	0.5 - 1.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SS13-3	2014 02 17	1.0 - 1.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
W18-SS14	W18-SS14-2	2014 02 18	0.5 - 1.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SS14-3	2014 02 18	1.0 - 1.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
W18-SS15	W18-SS15-1	2014 02 17	0.0 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	116	-	-	-	-	-	-	< 0.2
	W18-SS15-2	2014 02 17	0.5 - 1.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SS15-3	2014 02 17	1.0 - 1.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
W18-SS16	W18-SS16-1	2014 02 17	0.0 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SSD-5	Duplicate	0.0 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	QA/QC RPD%				*	*	*	*	*	*	*	*	-	-	-	-	-	-	*
	W18-SS16-2	2014 02 17	0.5 - 1.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
W18-SS17	W18-SS16-3	2014 02 17	1.0 - 1.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SS17-1	2014 02 17	0.0 - 0.5	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20	< 200	< 200	-	-	-	-	-	-	< 0.2
	W18-SS17-2	2014 02 17	0.5 - 1.0	-	< 0.01 ^a	< 0.02 ^a	< 0.04	< 0.08	< 0.06	< 20									

TABLE 3 (Cont'd): Summary of Analytical Results for Hydrocarbons in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Monocyclic Aromatic Hydrocarbons					Gross Parameters					Petroleum Hydrocarbon Fractions				MTBE
					Benzene µg/g	Ethylbenzene µg/g	Toluene µg/g	Xylenes µg/g	Styrene µg/g	VPH (C6-C10) µg/g	LEPH (C10-C19) ^a µg/g	HEPH (C19-C32) ^e µg/g	Oil and Grease µg/g	HWR Oil and Grease µg/g	F1-BTEX µg/g	F2 (>C10-C16) µg/g	F3 (>C16-C34) µg/g	F4 (>C34-C50) µg/g	MTBE µg/g
BH16-116	BH16-116-03	2016 05 28	1.4 - 1.5	0	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	120	130	-
	BH16-116-04	Duplicate	1.4 - 1.5	0	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	< 10	-
	QA/QC RPD%				-	-	-	-	-	-	*	*	-	-	-	*	*	*	-
BH16-117	BH16-117-02	2016 05 28	0.9 - 1.1	70	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	< 10	-
	BH16-117-03	Duplicate	0.9 - 1.1	70	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	< 10	-
	QA/QC RPD%				-	-	-	-	-	-	*	*	-	-	-	*	*	*	-
BH16-120	BH16-120-03	2016 05 28	1.4 - 1.5	0	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	32	-
BH16-121	BH16-121-03	2016 05 28	1.4 - 1.5	0	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	< 10	-
BH16-122	BH16-122-02	2016 05 28	0.9 - 1.1	5	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	18	-
BH16-124	BH16-124-01	2016 05 28	0.9 - 1.1	40	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	73	< 10	-
	BH16-124-02	2016 05 28	3.0 - 3.2	170	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	75	84	-
	BH16-124-03	2016 05 28	7.0 - 7.2	15	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	< 10	-
BH16-125	BH16-125-01	2016 05 28	0.9 - 1.1	15	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	35	14	-
	BH16-125-02	2016 05 28	4.0 - 4.1	15	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	< 10	-
	BH16-125-03	2016 05 28	7.2 - 7.3	0	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	< 10	-
BH16-126	BH16-126-01	2016 05 30	0.9 - 1.2	0	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	58	790 ^f	-
	BH16-126-02	2016 05 30	4.0 - 4.3	810	-	-	-	-	-	-	2,100	< 100	-	-	-	2,000	180	< 10	-
	BH16-126-03	2016 05 30	7.0 - 7.3	480	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	< 10	< 10	-
BH16-127	BH16-127-01	2016 05 30	1.1 - 1.2	140	-	-	-	-	-	-	< 100	< 100	-	-	-	< 10	11	< 10	-
	BH16-127-02	2016 05 30	6.9 - 7.0	0	-	-	-	-	-	-	300	< 100	-	-	-	490	270	98	-
BH16-128	BH16-128-01	2016 05 30	0.5 -																

TABLE 4: Summary of Analytical Results for PAHs in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Polycyclic Aromatic Hydrocarbons																					
					Naphthalene µg/g	1-Methylnaphthalene µg/g	2-Methylnaphthalene µg/g	Acenaphthylene µg/g	Acenaphthene µg/g	Fluorene µg/g	Phenanthrene µg/g	Anthracene µg/g	Fluoranthene µg/g	Pyrene µg/g	Benzo(a) anthracene µg/g	Chrysene µg/g	Benzo(b) fluoranthene µg/g	Benzo(b+j) fluoranthene µg/g	Benzo(b+j+k) fluoranthene µg/g	Benzo(k) fluoranthene µg/g	Benzo(a) pyrene µg/g	Indeno(1,2,3-cd) pyrene µg/g	Dibenz(a,h) anthracene µg/g	Benzo(g,h,i) perylene µg/g	B(a)P TPE µg/g	Index of Additive Cancer Risk µg/g
BH15	BH15-1	2004 03 19	1.3 - 1.3	-	< 0.05 ^a	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
BH16	BH16-1	2004 03 18	1.3 - 1.3	-	< 0.05 ^a	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
BH17	BH17-3	2004 03 19	6.3 - 6.3	-	14	-	50	< 0.5	< 0.5 ^a	0.96	0.66	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.64	< 8.1 ^a
BH19	BH19-3	2004 03 19	6.3 - 6.3	-	0.43	-	2.2	< 0.5	< 0.5 ^a	< 0.5 ^a	< 0.5 ^a	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.64	< 8.1 ^a
BH20	BH20-3	2004 03 19	6.3 - 6.3	-	0.11	-	0.15	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
SS4	SS 4	2005 11 09	0.0 - 0.1	-	2.2	-	< 0.5	< 0.5	< 0.5 ^a	< 0.5 ^a	1	< 0.5	1.2	1.6	< 0.5	< 0.5	0.6	-	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.64	8.1
MR1	MR1	2006 08 03	0.0 - 0.1	-	< 0.05 ^a	-	-	-	-	-	< 0.05 ^a	-	-	< 0.05	< 0.05	-	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
MR2	MR2	2006 08 03	0.0 - 0.1	-	< 0.05 ^a	-	-	-	-	-	< 0.05 ^a	-	-	< 0.05	< 0.05	-	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
MR3	MR3	2006 08 03	0.1 - 0.2	-	< 0.05 ^a	-	-	-	-	-	< 0.05 ^a	-	-	< 0.05	< 0.05	-	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
	GR50	Duplicate	0.1 - 0.2	-	< 0.05 ^a	-	-	-	-	-	< 0.05 ^a	-	-	< 0.05	< 0.05	-	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
	QA/QC RPD%				*	-	-	-	-	-	*	-	-	*	*	-	*	-	-	*	*	*	*	-	-	-
MR4	MR4	2006 08 03	0.0 - 0.1	-	< 0.05 ^a	-	-	-	-	-	< 0.05 ^a	-	-	< 0.05	< 0.05	-	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
RES1	Res1-1	2006 08 03	0.2 - 0.2	-	< 0.01	-	-	-	-	-	< 0.01	-	-	0.01	< 0.01	-	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	-	-	-
RES2	Res2-1	2006 08 03	0.2 - 0.2	-	< 0.01	-	-	-	-	-	< 0.01	-	-	< 0.01	< 0.01	-	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	-	-	-
RES3	Res3-1	2006 08 03	0.2 - 0.2	-	< 0.01	-	-	-	-	-	< 0.01	-	-	< 0.01	< 0.01	-	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	-	-	-
RES4	Res4-1	2006 08 03	0.2 - 0.2	-	< 0.01	-	-	-	-	-	< 0.01	-	-	< 0.01	< 0.01	-	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	-	-	-
RES5	Res5-1	2006 08 03	0.2 - 0.2	-	< 0.01	-	-	-	-	-	< 0.01	-	-	< 0.01	< 0.01	-	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	-	-	-
	GR51	Duplicate	0.2 - 0.2	-	< 0.01	-	-	-	-	-	< 0.01	-	-	< 0.01	< 0.01	-	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	-	-	-
	QA/QC RPD%				*	-	-	-	-	-	*	-	-	*	*	-	*	-	-	*	*	*	*	-	-	-
RES6	Res6-1	2006 08 03	0.2 - 0.2	-	< 0.01	-	-	-	-	-	< 0.01	-	-	< 0.01	< 0.01	-	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	-	-	-
PAIS	Pails-2	2006 08 18	0.4 - 0.4	-	< 0.05 ^a	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
BSS1	BSS1	2007 10 30	0.0 - 0.1	-	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	-	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.018	< 0.14
BSS2	BSS2	2007 10 30	0.0 - 0.1	-	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	-	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.018	< 0.14
BSS3	BSS3	2																								

TABLE 4 (Cont'd): Summary of Analytical Results for PAHs in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Polycyclic Aromatic Hydrocarbons																					
					Naphthalene µg/g	1-Methylnaphthalene µg/g	2-Methylnaphthalene µg/g	Acenaphthylene µg/g	Acenaphthene µg/g	Fluorene µg/g	Phenanthrene µg/g	Anthracene µg/g	Fluoranthene µg/g	Pyrene µg/g	Benzo(a) anthracene µg/g	Chrysene µg/g	Benzo(b) fluoranthene µg/g	Benzo(b+j) fluoranthene µg/g	Benzo(b+j+k) fluoranthene µg/g	Benzo(k) fluoranthene µg/g	Benzo(a) pyrene µg/g	Indeno(1,2,3-cd) pyrene µg/g	Dibenz(a,h) anthracene µg/g	Benzo(g,h,i,j) perylene µg/g	B(a)P TPE µg/g	Index of Additive Cancer Risk µg/g
BH64M	BH64M-1	2010 09 04	0.6 - 0.9	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	BH64M-3	2010 09 04	4.9 - 5.2	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	BH64M-5	2010 09 04	7.8 - 8.7	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
BH65M	BH65M-1	2010 09 04	1.8 - 2.1	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	BH65M-2	2010 09 04	4.9 - 5.2	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	BH65M-3	2010 09 04	7.9 - 8.2	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	GR3(BH65M-3)	Duplicate	1.8 - 2.1	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	*	*	*	*	*
BH66	BH66-2	2010 09 05	1.8 - 2.1	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	GR4(BH66-2)	Duplicate	1.8 - 2.1	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	*	*	*	*	*
	BH66-3	2010 09 05	3.4 - 3.7	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	BH66-5	2010 09 05	6.1 - 6.4	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
BH67	BH67-1	2010 09 05	0.3 - 0.6	-	< 0.08 ^a	-	0.109	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	BH67-3	2010 09 05	3.7 - 4.0	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	BH67-5	2010 09 05	6.3 - 6.6	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
BH68	BH68-2	2010 09 05	1.8 - 2.1	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	GR5(BH68-2)	Duplicate	1.8 - 2.1	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	*	*	*	*	*
	BH68-3	2010 09 05	3.4 - 3.7	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
BH69M	BH68-5	2010 09 05	6.4 - 6.7	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.061	< 0.59
	BH69M-1	2010 09 05	0.3 - 0.9	-	< 0.013	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05	< 0.05			

TABLE 4 (Cont'd): Summary of Analytical Results for PAHs in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Polycyclic Aromatic Hydrocarbons																					
					Naphthalene µg/g	1-Methylnaphthalene µg/g	2-Methylnaphthalene µg/g	Acenaphthylene µg/g	Acenaphthene µg/g	Fluorene µg/g	Phenanthrene µg/g	Anthracene µg/g	Fluoranthene µg/g	Pyrene µg/g	Benzo(a) anthracene µg/g	Chrysene µg/g	Benzo(b) fluoranthene µg/g	Benzo(b+j) fluoranthene µg/g	Benzo(b+j+k) fluoranthene µg/g	Benzo(k) fluoranthene µg/g	Benzo(a) pyrene µg/g	Indeno(1,2,3-cd) pyrene µg/g	Dibenz(a,h) anthracene µg/g	Benzo(g,h,i) perylene µg/g	B(a)P TPE µg/g	Index of Additive Cancer Risk µg/g
SP2-3	SP2-3	2010 09 13	0.0 - 0.2	-	< 0.011	-	< 0.013	< 0.012	< 0.0090	< 0.01	< 0.01	< 0.015	< 0.01	0.038	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
	GR1	Duplicate	0.0 - 0.2	-	< 0.01	-	< 0.01	< 0.0090	< 0.0060	< 0.01	< 0.01	< 0.012	< 0.01	0.027	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	*	*	*	*	*
SP2-5	SP2-5	2010 09 13	0.0 - 0.2	-	< 0.011	-	< 0.012	< 0.011	< 0.0090	< 0.01	< 0.01	< 0.017	< 0.01	0.037	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP3	SP3	2010 09 13	0.0 - 0.2	-	< 0.013	-	< 0.015	< 0.01	< 0.012	< 0.01	< 0.01	< 0.015	< 0.01	0.04	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP3-2	SP3-2	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.012	< 0.0074	< 0.022	< 0.01	< 0.01	< 0.011	< 0.01	0.034	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP3-4	SP3-4	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.011	< 0.01	< 0.0090	< 0.01	< 0.01	< 0.015	< 0.01	0.032	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP4	SP4	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.013	< 0.011	< 0.01	< 0.01	< 0.01	< 0.016	< 0.01	0.032	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP4-1	SP4-1	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.014	< 0.01	< 0.0070	< 0.01	< 0.01	< 0.016	< 0.01	0.032	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP4-4	SP4-4	2010 09 13	0.0 - 0.2	-	< 0.012	-	< 0.014	< 0.012	< 0.0090	< 0.01	< 0.01	< 0.019	< 0.01	0.035	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
	GR3	Duplicate	0.0 - 0.2	-	< 0.011	-	< 0.013	< 0.011	< 0.0090	< 0.01	< 0.01	< 0.015	< 0.01	0.034	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	*	*	*	*	*
SP5	SP5	2010 09 13	0.0 - 0.2	-	< 0.011	-	< 0.018	< 0.0080	< 0.0080	< 0.01	< 0.01	< 0.012	< 0.01	0.032	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP5-2	SP5-2	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.012	< 0.01	< 0.0070	< 0.01	< 0.01	< 0.013	< 0.01	0.031	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP5-5	SP5-5	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.011	< 0.0070	< 0.0060	< 0.01	< 0.01	< 0.012	< 0.01	0.025	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP6	SP6	2010 09 13	0.0 - 0.2	-	< 0.015 ^a	-	< 0.02	< 0.011	< 0.0070	< 0.01	< 0.01	< 0.015	< 0.01	0.033	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP6-1	SP6-1	2010 09 13	0.0 - 0.2	-	< 0.011	-	< 0.014	< 0.01	< 0.0090	< 0.01	< 0.01	< 0.014	< 0.01	0.034	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP6-3	SP6-3	2010 09 13	0.0 - 0.2	-	< 0.012	-	< 0.017	< 0.01	< 0.0080	< 0.01	< 0.01	< 0.015	< 0.01	0.033	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP7	SP7	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.013	< 0.0081	< 0.0080	< 0.01	< 0.01	< 0.011	< 0.01	0.028	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP7-2	SP7-2	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.015	< 0.01	< 0.017	< 0.01	< 0.01	< 0.011	< 0.01	0.029	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP7-5	SP7-5	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.014	< 0.0090	< 0.011	< 0.011	< 0.01	< 0.013	< 0.01	0.035	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP8	SP8	2010 09 13	0.0 - 0.2	-	< 0.012	-	< 0.013	< 0.01	< 0.0080	< 0.01	< 0.01	< 0.013	< 0.01	0.033	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP8-3	SP8-3	2010 09 13	0.0 - 0.2	-	< 0.01	-	< 0.015	< 0.01	< 0.0080	< 0.01	< 0.01	< 0.013	< 0.01	0.031	< 0.01	< 0.01	< 0.01	-	-	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.11
SP8-5	SP8-5	2010 09 13																								

TABLE 4 (Cont'd): Summary of Analytical Results for PAHs in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Polycyclic Aromatic Hydrocarbons																					
					Naphthalene µg/g	1-Methylnaphthalene µg/g	2-Methylnaphthalene µg/g	Acenaphthylene µg/g	Acenaphthene µg/g	Fluorene µg/g	Phenanthrene µg/g	Anthracene µg/g	Fluoranthene µg/g	Pyrene µg/g	Benzo(a) anthracene µg/g	Chrysene µg/g	Benzo(b) fluoranthene µg/g	Benzo(b+j) fluoranthene µg/g	Benzo(b+j+k) fluoranthene µg/g	Benzo(k) fluoranthene µg/g	Benzo(a) pyrene µg/g	Indeno(1,2,3-cd) pyrene µg/g	Dibenz(a,h) anthracene µg/g	Benzo(g,h,i) perylene µg/g	B(a)P TPE µg/g	Index of Additive Cancer Risk µg/g
BH81M	BH81M-01	2011 09 12	0.3 - 0.8	-	< 0.01	-	< 0.01	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.0040	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.015	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.02	< 0.15
	GR17	Duplicate	0.3 - 0.8	-	< 0.01	-	< 0.01	< 0.0050	< 0.0050	< 0.01	< 0.01	0.0089	< 0.01	0.01	< 0.01	< 0.01	0.015	-	0.015	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.02	< 0.15
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*	*
	BH81M-03	2011 09 12	3.1 - 4.0	-	< 0.01	-	< 0.01	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.0040	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.015	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.02	< 0.15
	BH81M-05	2011 09 12	4.6 - 5.2	-	< 0.01	-	< 0.01	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.0040	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.015	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.02	< 0.15
	GR18	Duplicate	4.6 - 5.2	-	< 0.01	-	< 0.01	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.0040	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.015	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.02	< 0.15
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*	*
BH82	BH81M-06	2011 09 12	5.6 - 6.1	-	< 0.01	-	< 0.01	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.0040	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.015	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.02	< 0.15
	BH82-5	2012 07 21	5.0 - 5.4	-	<u>13.6</u>	20.3	45.1	< 0.01	< 0.01	<u>2.1</u>	<u>1.8</u>	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
	BH82-7	2012 07 21	7.0 - 8.0	-	<u>0.19</u>	0.12	0.24	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
BH83M	BH83M-9	2012 07 21	8.2 - 9.1	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
BH84M	BH84M-4	2012 07 21	3.3 - 4.3	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
	BH84M-6	2012 07 21	5.3 - 6.0	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
	BH84M-8	2012 07 21	7.0 - 7.6	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
BH85M	BH85M-2	2012 07 21	1.5 - 2.3	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
	BH85M-8	2012 07 21	8.2 - 9.0	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
BH86M	BH86M-4	2012 07 21	4.9 - 5.8	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
	BH86M-6	2012 07 21	7.9 - 8.5	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
BH87M	BH87M-2	2012 07 21	1.5 - 2.3	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
	BH87M-6	2012 07 21	7.9 - 8.8	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
	BH87M-8	2012 07 21	10.9 - 11.9	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
BH88M	BH88M-5	2012 07 24	6.4 - 7.3	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	-	-	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.04	< 0.29
	BH88M-8	2012 07 24	11.0 - 12.0	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	<															

TABLE 4 (Cont'd): Summary of Analytical Results for PAHs in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Polycyclic Aromatic Hydrocarbons																					
					Naphthalene µg/g	1-Methylnaphthalene µg/g	2-Methylnaphthalene µg/g	Acenaphthylene µg/g	Acenaphthene µg/g	Fluorene µg/g	Phenanthrene µg/g	Anthracene µg/g	Fluoranthene µg/g	Pyrene µg/g	Benzo(a) anthracene µg/g	Chrysene µg/g	Benzo(b) fluoranthene µg/g	Benzo(b+j) fluoranthene µg/g	Benzo(b+j+k) fluoranthene µg/g	Benzo(k) fluoranthene µg/g	Benzo(a) pyrene µg/g	Indeno(1,2,3-cd) pyrene µg/g	Dibenz(a,h) anthracene µg/g	Benzo(g,h,i) perylene µg/g	B(a)P TPE µg/g	Index of Additive Cancer Risk µg/g
BH14-104M	BH14-104-04-W18	2014 03 07	1.5 - 2.3	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	BH14-104-05-W18	2014 03 07	3.0 - 3.8	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	BH14-104-06-W18	2014 03 07	4.6 - 5.2	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	BH14-I-W18	Duplicate	4.6 - 5.2	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	-	*	-	*	*	*	*	*	*	*
BH14-105M	BH14-105-04-W18	2014 02 06	1.2 - 2.2	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	BH14-105-05-W18	2014 02 06	2.2 - 3.0	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	BH14-J-W18	Duplicate	2.2 - 3.0	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	-	*	-	*	*	*	*	*	*	*
	BH14-105-06-W18	2014 02 06	3.0 - 3.8	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
W18-SS1	BH14-105-11-W18	2014 02 06	7.0 - 7.6	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS1-1	2014 02 16	0.0 - 0.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS1-2	2014 02 16	0.5 - 1.0	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS1-3	2014 02 16	1.0 - 1.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
W18-SS2	W18-SS2-1	2014 02 16	0.0 - 0.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS2-2	2014 02 16	0.5 - 1.0	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS2-3	2014 02 16	1.0 - 1.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
W18-SS3	W18-SS3-1	2014 02 16	0.0 - 0.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS3-2	2014 02 16	0.5 - 1.0	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS3-3	2014 02 16	1.0 - 1.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SSD-1	Duplicate	1.0 - 1.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
W18-SS4	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	-	*	-	*	*	*	*	*	*	*
	W18-SS4-1	2014 02 16	0.0 - 0.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS4-2	2014 02 16	0.5 - 1.0	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS4-3	2014 02 16	1.0 - 1.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
W18-SS5	W18-SS5-1	2014 02 16	0.0 - 0.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS5-2	2014 02 16	0.5 - 1.0	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
	W18-SS5-3	2014 02 16	1.0 - 1.5	-	< 0.1 ^a	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 ^a	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 1.2 ^a
W18-SS6	W18-SS6-1	2014 02 16	0.0 - 0.5	-	< 0.1 ^a	-</																				

TABLE 4 (Cont'd): Summary of Analytical Results for PAHs in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Polycyclic Aromatic Hydrocarbons																				Index of Additive Cancer Risk
					Naphthalene µg/g	1-Methylnaphthalene µg/g	2-Methylnaphthalene µg/g	Acenaphthylene µg/g	Acenaphthene µg/g	Fluorene µg/g	Phenanthrene µg/g	Anthracene µg/g	Fluoranthene µg/g	Pyrene µg/g	Benzo(a) anthracene µg/g	Chrysene µg/g	Benzo(b)								

TABLE 4 (Cont'd): Summary of Analytical Results for PAHs in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Field Screen ^b (ppm)	Polycyclic Aromatic Hydrocarbons																					
					Naphthalene µg/g	1-Methylnaphthalene µg/g	2-Methylnaphthalene µg/g	Acenaphthylene µg/g	Acenaphthene µg/g	Fluorene µg/g	Phenanthrene µg/g	Anthracene µg/g	Fluoranthene µg/g	Pyrene µg/g	Benzo(a) anthracene µg/g	Chrysene µg/g	Benzo(b) fluoranthene µg/g	Benzo(b+j) fluoranthene µg/g	Benzo(b+j+k) fluoranthene µg/g	Benzo(k) fluoranthene µg/g	Benzo(a) pyrene µg/g	Indeno(1,2,3-cd) pyrene µg/g	Dibenz(a,h) anthracene µg/g	Benzo(g,h,i) perylene µg/g	B(a)P TPE µg/g	Index of Additive Cancer Risk µg/g
BH16-133	BH16-133-01	2016 05 30	0.6 - 0.8	65	< 0.01	-	< 0.02	< 0.005	< 0.005	< 0.02	< 0.01	< 0.004	< 0.02	< 0.02	< 0.02	< 0.02	-	< 0.02	-	< 0.02	< 0.02	< 0.05	< 0.05	< 0.05	0.041	0.31
BH16-134	BH16-134-01	2016 05 30	0.6 - 0.8	20	< 0.01	-	< 0.02	< 0.005	< 0.005	< 0.02	< 0.01	< 0.004	< 0.02	< 0.02	< 0.02	< 0.02	-	< 0.02	-	< 0.02	< 0.02	< 0.05	< 0.05	< 0.05	0.041	0.31
	BH16-134-02	2016 05 30	0.6 - 0.8	20	< 0.01	-	< 0.02	< 0.005	< 0.005	< 0.02	< 0.01	< 0.004	0.026	0.025	< 0.02	0.026	-	0.035	-	< 0.02	0.023	< 0.05	< 0.05	0.056	0.057	0.51
	QA/QC RPD%				*	-	*	*	*	*	*	*	*	*	*	*	-	*	-	*	*	*	*	*	*	
BH16-135	BH16-135-06	2016 05 30	7.3 - 7.5	420	0.025	-	< 0.02	< 0.005	< 0.005	< 0.02	< 0.01	< 0.004	< 0.02	< 0.02	< 0.02	< 0.02	-	< 0.02	-	< 0.02	< 0.02	< 0.05	< 0.05	< 0.05	0.041	0.31
Federal Guideline																										
CCME CEQG Residential Land Use (RL)					0.013	n/a	n/a	320	0.28	0.25	0.046	2.5	15.4	7.7	1	6.2	1	6.2	n/a	1	0.6	1	1	n/a	5.3	1
BC Standard																										
CSR Residential Land Use (RL) (sample depth < 3.0m) ^c					5	n/a	n/a	n/a	n/a	n/a	5	n/a	n/a	10	1	n/a	1	1	n/a	1	1	1	1	n/a	n/a	n/a
CSR Commercial Land Use (CL) (sample depth > 3.0m) ^c					50	n/a	n/a	n/a	n/a	n/a	50	n/a	n/a	100	10	n/a	10	10	n/a	10	10	10	10	n/a	n/a	n/a

Associated Maxxam file(s): B642441.

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

^a Laboratory detection limit exceeds regulatory standard/guideline.

^b Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

^c The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

BOLD Concentration greater than CCME CEQG Residential Land Use (RL) Guideline

SHADOW Concentration greater than CSR Residential Land Use (RL) Standard (Commercial Land Use [CL] below 3.0 m).

TABLE 5: Summary of Analytical Results for Metals in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Physical		Total Metals																							
				pH pH	Flashpoint °C	Antimony µg/g	Arsenic µg/g	Barium µg/g	Beryllium µg/g	Cadmium µg/g	Chromium µg/g	Chromium (+3) µg/g	Chromium (+6) µg/g	Cobalt µg/g	Copper µg/g	Lead µg/g	Lithium µg/g	Manganese µg/g	Mercury µg/g	Molybdenum µg/g	Nickel µg/g	Selenium µg/g	Silver µg/g	Strontium µg/g	Thallium µg/g	Tin µg/g	Uranium µg/g	Vanadium µg/g	Zinc µg/g
BH10M	BH10M-1	2004 03 18	4.9 - 4.9	9.7	-	< 10	< 10	73	< 1	0.2	9	-	-	5	13	6	-	271	0.04	< 4	12	0.9	< 2	123	-	< 5	-	17	33
	GR1	Duplicate	4.9 - 4.9	9.5	-	< 10	< 10	57	< 1	0.2	7	-	-	4	11	< 5	-	233	0.03	< 4	10	0.9	< 2	112	-	< 5	-	16	28
	QA/QC RPD%			*	-	*	*	25	*	*	*	-	-	*	17														

TABLE 5 (Cont'd): Summary of Analytical Results for Metals in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Physical		Total Metals																					
				pH pH	Flashpoint °C	Antimony µg/g	Arsenic µg/g	Barium µg/g	Beryllium µg/g	Cadmium µg/g	Chromium µg/g	Chromium (+3) µg/g	Chromium (+6) µg/g	Cobalt µg/g	Copper µg/g	Lead µg/g	Lithium µg/g	Manganese µg/g	Mercury µg/g	Molybdenum µg/g	Nickel µg/g	Selenium µg/g	Silver µg/g	Strontium µg/g	Thallium µg/g	Tin µg/g	Uranium µg/g
BH13-95	BH13-95-1-W18	2013 11 24	0.0 - 0.6	8.67	-	0.67	3.																				

TABLE 5 (Cont'd): Summary of Analytical Results for Metals in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Physical		Total Metals																							
				pH pH	Flashpoint °C	Antimony µg/g	Arsenic µg/g	Barium µg/g	Beryllium µg/g	Cadmium µg/g	Chromium µg/g	Chromium (+3) µg/g	Chromium (+6) µg/g	Cobalt µg/g	Copper µg/g	Lead µg/g	Lithium µg/g	Manganese µg/g	Mercury µg/g	Molybdenum µg/g	Nickel µg/g	Selenium µg/g	Silver µg/g	Strontium µg/g	Thallium µg/g	Tin µg/g	Uranium µg/g	Vanadium µg/g	Zinc µg/g
W18-SS10	W18-SS10-1	2014 02 17	0.0 - 0.5	9.03	-	0.26	2.41	196	< 0.8	0.222	48.8	-	-	4.57	11.6	9.28	13.9	414	< 0.1	2.79	12.1	< 1	< 0.1	192	0.067	0.18	0.539	17.9	32.6
	W18-SS10-2	2014 02 17	0.5 - 1.0	9.07	-	0.19	2.04	163	< 0.8	0.179	29.3	-	-	4.59	12.2	10	14	368	< 0.1	1.76	12	< 1	< 0.1	181	0.06	0.15	0.535	14.1	28.4
	W18-SS10-3	2014 02 17	1.0 - 1.5	9.04	-	0.25	2.48	94.2	< 0.8	0.222	37.9	-	-	7.22	24.4	8	15.8	381	< 0.1	2.94	15.8	< 1	< 0.1	174	0.067	0.2	0.55	38.6	32.1
	W18-SSD-4	Duplicate	1.0 - 1.5	9.04	-	0.23	2.32	106	< 0.8	0.226	31.9	-	-	5.82	17.9	8.44	15	380	< 0.1	1.63	12.1	< 1	< 0.1	136	0.062	0.19	0.539	27.3	31.7
QA/QC RPD%				*	-	*	*	12	*	*	17	-	-	21	31	*	*	0	*	57	27	*	*	25	*	*	2	34	1
W18-SS11	W18-SS11-1	2014 02 17	0.0 - 0.5	8.43	-	0.74	3.24	116	< 0.8	0.517	44.6	-	-	5.45	13.1	75.9	22.1	303	< 0.1	3.92	18.7	0.7	0.096	39.5	0.09	1.85	0.538	22.5	73.4
	W18-SS11-2	2014 02 17	0.5 - 1.0	8.54	-	0.51	4.28	68.4	0.48	0.296	39.9	-	-	7.81	14.4	32.5	30	226	< 0.1	2.21	20.9	< 1	0.054	17.3	0.079	0.51	0.515	23.7	64.8
	W18-SS11-3	2014 02 17	1.0 - 1.5	8.67	-	0.38	3.47	37.8	< 0.8	0.269	18.8	-	-</																

TABLE 5 (Cont'd): Summary of Analytical Results for Metals in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Physical		Total Metals																							
				pH pH	Flashpoint °C	Antimony µg/g	Arsenic µg/g	Barium µg/g	Beryllium µg/g	Cadmium µg/g	Chromium µg/g	Chromium (+3) µg/g	Chromium (+6) µg/g	Cobalt µg/g	Copper µg/g	Lead µg/g	Lithium µg/g	Manganese µg/g	Mercury µg/g	Molybdenum µg/g	Nickel µg/g	Selenium µg/g	Silver µg/g	Strontium µg/g	Thallium µg/g	Tin µg/g	Uranium µg/g	Vanadium µg/g	Zinc µg/g
W18-SS25	W18-SS25-1	2014 02 18	0.0 - 0.5	8.7	-	0.42	3.36	96.8	< 0.8	0.355	301	-	-	5.22	15	7.83	14.3	299	< 0.1	2.05	16.5	< 1	0.078	120	0.102	0.32	0.662	16.7	36.8
	W18-SS25-1 Reanalysis ^a	2014 02 18	0.0 - 0.5	-	-	-	-	-	-	-	35.2	-	< 0.080	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	W18-SS25-2	2014 02 18	0.5 - 1.0	8.55	-	0.43	3.21	82.6	0.47	0.301	53.1	-	-	6.24	15	8.96	17.7	278	< 0.1	1.42	15.7	< 1	0.088	99	0.099	0.21	0.666	23.2	37.3
	W18-SSD-8	Duplicate	0.5 - 1.0	8.63	-	0.37	2.9	79.3	< 0.8	0.347	11.7	-	-	5.95	13.2	8.45	17.8	251	<										

Associated Maxxam file(s): B642441, B653038.

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

^a Laboratory detection limit exceeds regulatory standard/guideline.

The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

^c Standard is pH dependent.

^d Individual standards exist for Cr +3 and Cr +6. Reported value represents more stringent standard.

^e Sample analyzed past hold time.

<u>BOLD</u>	Concentration greater than CCME CEQG Residential Land Use (RL) Guideline
SHADOW	Concentration greater than CSR Residential Land Use (RL) Standard (Commercial Land Use [CL] below 3.0 m).

TABLE 6: Summary of Analytical Results for Inorganics and Soil Salinity

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Inorganics	Soil Salinity					
				Cyanide WAD µg/g	% Saturation %	Saturated Paste Conductivity uS/cm	Saturated Paste Sodium µg/g	Saturated Paste Chloride µg/g	Soluble Sodium mg/L	Soluble Chloride mg/L
BH11M	BH11M-1	2004 03 18	2.1 - 2.1	-	-	-	-	147	-	-
BH13	BH13-1	2004 03 18	1.8 - 1.8	-	-	-	-	1,980	-	-
	BH13-3	2004 03 18	5.0 - 5.0	-	-	-	-	1,530	-	-
	BH13-4	2004 03 18	7.5 - 7.5	-	-	-	-	1,850	-	-
	BH13,GR3	2004 03 18	1.8 - 7.5	-	19.1	-	903	1,102	4,728	5,770
BH14M	BH14M	2004 03 18	2.1 - 7.9	-	20.5	-	2,262	2,524	-	-
BH29M	BH29M	2004 03 21	1.6 - 7.2	-	17.1	-	85	190	498	1,110
BH37M	BH37-1	2005 03 08	0.2 - 0.2	-	-	-	10	17.3	-	-
	BH37-3	2005 03 08	2.8 - 2.8	-	-	-	< 5	< 5	-	-
	BH37-4	2005 03 08	6.4 - 6.4	-	-	-	61.8	74.5	-	-
BH38	BH38-1	2005 03 09	0.2 - 0.2	-	-	-	157	100	-	-
	BH38-3	2005 03 09	2.5 - 2.5	-	-	-	54	25.3	-	-
	BH38-5	2005 03 09	6.5 - 6.5	-	-	-	< 5	8.2	-	-
BH39M	BH39-1	2005 03 10	0.2 - 0.2	-	-	-	60	48.6	-	-
	BH39-3	2005 03 10	2.5 - 2.5	-	-	-	64	55.2	-	-
BH40	BH40-1	2005 03 09	0.2 - 0.2	-	-	-	305	616	-	-
	BH40-3	2005 03 09	2.5 - 2.5	-	-	-	< 5	< 5	-	-
	GR13	Duplicate	2.5 - 2.5	-	-	-	< 5	< 5	-	-
	QA/QC RPD%			-	-	-	*	*	-	-
	BH40-5	2005 03 09	6.5 - 6.5	-	-	-	< 5	< 5	-	-
BH41	BH41-1	2005 03 09	0.2 - 0.2	-	-	-	325	545	-	-
	BH41-3	2005 03 09	2.5 - 2.5	-	-	-	57	110	-	-
	BH41-5	2005 03 09	6.5 - 6.5	-	-	-	11	38.7	-	-
BH42	BH42-1	2005 03 09	0.2 - 0.2	-	-	-	986	1,400	-	-
	BH42-3	2005 03 09	2.5 - 2.5	-	-	-	208	267	-	-
	BH42-5	2005 03 09	6.5 - 6.5	-	-	-	986	1,390	-	-
BH43	BH43-1	2005 03 10	0.2 - 0.2	-	-	-	122	172	-	-
	BH43-3	2005 03 10	2.5 - 2.5	-	-	-	15	12.6	-	-
	BH43-5	2005 03 10	6.5 - 6.5	-	-	-	< 5	10.7	-	-
BH44	BH44-1	2006 08 03	0.0 - 0.2	-	-	-	203	229	-	-
	BH44-2	2006 08 03	1.5 - 1.8	-	-	-	< 5	41.5	-	-
	BH44-4	2006 08 03	5.8 - 6.1	-	-	-	167	441	-	-
BH48	BH48-1	2006 08 03	0.0 - 0.3	-	-	-	< 5	14	-	-
BH49	BH49-1	2006 08 03	0.0 - 0.3	-	-	-	40	50	-	-
BH50	BH50-1	2006 08 04	0.0 - 0.3	-	-	-	< 5	5	-	-
BH51M	BH51M-1	2006 08 04	0.0 - 0.6	-	-	-	137	73	-	-
	GR54	Duplicate	0.0 - 0.6	-	-	-	65	26	-	-
	QA/QC RPD%			-	-	-	71	95	-	-
BH52	BH51M-2	2006 08 04	1.1 - 1.4	-	-	-	59	59	-	-
	BH52-4	2006 08 04	8.9 - 9.3	-	-	-	217	298	-	-
	GR55	Duplicate	8.9 - 9.3	-	-	-	215	300	-	-
	QA/QC RPD%			-	-	-	1	1	-	-
	BH52-5	2006 08 04	10.5 - 10.8	-	-	-	129	262	-	-
	BH52-6	2006 08 04	11.9 - 12.2	-	-	-	98	222	-	-
BH53	BH53-1	2006 08 04	0.0 - 0.3	-	-	-	25	62	-	-
RES1	Res1-1	2006 08 03	0.2 - 0.2	-	-	-	< 5	< 5	-	-
RES2	Res2-1	2006 08 03	0.2 - 0.2	-	-	-	< 5	< 5	-	-
RES3	Res3-1	2006 08 03	0.2 - 0.2	-	-	-	5	< 5	-	-
RES4	Res4-1	2006 08 03	0.2 - 0.2	-	-	-	< 5	< 5	-	-
RES5	Res5-1	2006 08 03	0.2 - 0.2	-	-	-	19	7	-	-
	GR51	Duplicate	0.2 - 0.2	-	-	-	23	9	-	-
	QA/QC RPD%			-	-	-	*	*	-	-
RES6	Res6-1	2006 08 03	0.2 - 0.2	-	-	-	27	25	-	-
CS81	CS81	2007 11 14	6.0	-	24.1	-	407	605	-	2,500
BH14-97M	BH14-97-3-W18	2014 02 09	0.9 - 1.5	-	35.4	-	6.5	66.5	150	188
BH14-98M	BH14-98-4-W18	2014 02 10	1.5 - 2.3	-	39.4	-	9.4	79.1	217	201
BH14-101M	BH14-101-15-W18	2014 02 19	9.9 - 10.6	-	33.8	-	< 5	21.7	-	64.1
BH14-102M	BH14-102-7-W18	2014 02 18	3.8 - 4.6	-	32.9	-	31.3	496	-	1,510
W18-SS1	W18-SS1-1	2014 02 16	0.0 - 0.5	-	42.1	-	< 5	5.8	19	13.7
	W18-SS1-2	2014 02 16	0.5 - 1.0	-	40.1	-	< 5	4.3	18.1	10.8
	W18-SS1-3	2014 02 16	1.0 - 1.5	-	31.5	-	< 5	4.1	25.1	12.9
W18-SS2	W18-SS2-1	2014 02 16	0.0 - 0.5	-	38.4	-	< 5	19.8	37.8	51.6
	W18-SS2-2	2014 02 16	0.5 - 1.0	-	37.7	-	< 5	17.5	32.4	46.6
	W18-SS2-3	2014 02 16	1.0 - 1.5	-	34	-	< 5	5	23.7	14.7
W18-SS3	W18-SS3-1	2014 02 16	0.0 - 0.5	-	43	-	< 5	49.5	49.4	115
	W18-SS3-2	2014 02 16	0.5 - 1.0	-	35.8	-	< 5	23.5	46	65.4
	W18-SS3-3	2014 02 16	1.0 - 1.5	-	40.5	-	< 5	5.5	30.2	13.5
	W18-SSD-1	Duplicate	1.0 - 1.5	-	42.4	-	< 5	14.2	23.6	33.4
QA/QC RPD%				-	5	-	*	*	*	*
W18-SS4	W18-SS4-1	2014 02 16	0.0 - 0.5	-	44.8	-	< 5	13.8	45	30.8
	W18-SS4-2	2014 02 16	0.5 - 1.0	-	49.8	-	< 5	34.9	39.7	70.1
	W18-SS4-3	2014 02 16	1.0 - 1.5	-	34.8	-	< 5	33.8	37.2	97.1
W18-SS5	W18-SS5-1	2014 02 16	0.0 - 0.5	-	36.9	-	< 5	12.1	29.7	32.8
	W18-SS5-2	2014 02 16	0.5 - 1.0	-	31.9	-	< 5	8.6	31.5	27
	W18-SS5-3	2014 02 16	1.0 - 1.5	-	31.5	-	< 5	9.7	29.8	30.9
W18-SS6	W18-SS6-1	2014 02 16	0.0 - 0.5	-	30.6	-	< 5	16.8	41	54.8
	W18-SS6-2	2014 02 16	0.5 - 1.0	-	32.3	-	< 5	10.2	29.7	31.8
	W18-SS6-3	2014 02 16	1.0 - 1.5	-	31.2	-	< 5	15	36.4	48.2
W18-SS7	W18-SS7-1	2014 02 16	0.0 - 0.5	-	33.8	-	< 5	18.8	41.5	55.5
	W18-SS7-2	2014 02 16	0.5 - 1.0	-	35	-	< 5	12.7	36.7	36.2
	W18-SSD-2	Duplicate	0.5 - 1.0	-	34.4	-	< 5	13.4	31.5	38.9
	QA/QC RPD%			-	2	-	*	*	*	*
W18-SS8	W18-SS7-3	2014 02 16	1.0 - 1.5	-	31.9	-	< 5	10.9	31.1	34
	W18-SS8-1	2014 02 16	0.0 - 0.5	-	30.7	-	< 5	11	40.7	35.8
	W18-SS8-2	2014 02 16	0.5 - 1.0	-	26.4	-	< 5	8.8	35.7	33.4
	W18-SS8-3	2014 02 16	1.0 - 1.5	-	29.8	-	< 5	12.2	43.7	41
W18-SS9	W18-SS9-1	2014 02 16	0.0 - 0.5	-	31.4	-	35.1	331	808	1,050
	W18-SS9-2	2014 02 16	0.5 - 1.0	-	27.6	-	49.8	431	1,150	1,560
	W18-SS9-3	2014 02 16	1.0 - 1.5	-	27.9	-	41.8	362	961	1,300
	W18-SSD-3	Duplicate	1.0 - 1.5	-	27.3	-	41.4	342	952	1,250
QA/QC RPD%				-	2	-	1	6	1	4
W18-SS10	W18-SS10-1	2014 02 17	0.0 - 0.5	-	40.9	-	50.1	611	1,150	1,490
	W18-SS10-2	2014 02 17	0.5 - 1.0	-	39.8	-	38.6	466	887	1,170
	W18-SS10-3	2014 02 17	1.0 - 1.5	-	34.9	-	43.6	442	1,000	1,270
	W18-SSD-4	Duplicate	1.0 - 1.5	-	35.6	-	45.1	476	1,040	1,340
QA/QC RPD%				-	2	-	3	7	4	5
Federal Guideline										
CCME CEQG Residential Land Use (RL)				0.9 ^b	n/a	n/a	n/a	n/a	n/a	n/a
BC Standard										
CSR Residential Land Use (RL) (sample depth < 3.0m) ^a				10	n/a	n/a	200	90	n/a	n/a
CSR Commercial Land Use (CL) (sample depth > 3.0m) ^a				100	n/a	n/a	1,000	90	n/a	n/a

Associated Maxxam file(s): B642441.
All terms defined within the body of SNC-Lavalin's report.
< Denotes concentration less than indicated detection limit or RPD less than indicated value.
- Denotes analysis not conducted.
n/a Denotes no applicable standard/guideline.
* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD	Concentration greater than CCME CEQG Residential Land Use (RL) Guideline
SHADOW	Concentration greater than CSR Residential Land Use (RL) Standard (Commercial Land Use [CL] below 3.0 m).

^a The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).
^b Guideline is for free cyanide. Cyanide (WAD) is compared to this guideline as a conservative comparison.

TABLE 6 (Cont'd): Summary of Analytical Results for Inorganics and Soil Salinity

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Inorganics	Soil Salinity					
				Cyanide WAD µg/g	% Saturation %	Saturated Paste Conductivity uS/cm	Saturated Paste Sodium µg/g	Saturated Paste Chloride µg/g	Soluble Sodium mg/L	Soluble Chloride mg/L
W18-SS11	W18-SS11-1	2014 02 17	0.0 - 0.5	-	54.2	-	6.6	47.5	152	87.6
	W18-SS11-2	2014 02 17	0.5 - 1.0	-	44.7	-	7.2	44.5	166	99.4
	W18-SS11-3	2014 02 17	1.0 - 1.5	-	36.9	-	5.7	31.5	130	85.3
W18-SS12	W18-SS12-3	2014 02 18	0.0 - 0.5	-	44.6	-	9.7	69.8	224	157
W18-SS13	W18-SS13-1	2014 02 17	0.0 - 0.5	-	43.4	-	15.2	158	350	365
	W18-SS13-2	2014 02 17	0.5 - 1.0	-	36.4	-	13.9	118	319	324
	W18-SS13-3	2014 02 17	1.0 - 1.5	-	40.1	-	8.7	84	200	210
W18-SS14	W18-SS14-2	2014 02 18	0.5 - 1.0	-	40.9	-	6	73	137	178
	W18-SS14-3	2014 02 18	1.0 - 1.5	-	50.5	-	6.5	83.2	149	165
W18-SS15	W18-SS15-1	2014 02 17	0.0 - 0.5	-	45.7	-	23.7	203	545	444
	W18-SS15-2	2014 02 17	0.5 - 1.0	-	49.7	-	20.6	179	474	361
	W18-SS15-3	2014 02 17	1.0 - 1.5	-	47	-	20.3	188	466	399
W18-SS16	W18-SS16-1	2014 02 17	0.0 - 0.5	-	52.8	-	< 5	21.3	35.1	40.4
	W18-SSD-5	Duplicate	0.0 - 0.5	-	52.7	-	< 5	20.8	29.4	39.5
	QA/QC RPD%			-	0	-	*	2	*	*
W18-SS16-2	W18-SS16-2	2014 02 17	0.5 - 1.0	-	38.8	-	< 5	6.3	35.7	16.3
	W18-SS16-3	2014 02 17	1.0 - 1.5	-	38.4	-	< 5	13.4	45.5	34.8
	W18-SS17-1	2014 02 17	0.0 - 0.5	-	45.1	-	< 5	15	37.4	33.1
W18-SS17-2	W18-SS17-2	2014 02 17	0.5 - 1.0	-	40.6	-	< 5	29.1	79.9	71.6
	W18-SS17-3	2014 02 17	1.0 - 1.5	-	35.1	-	< 5	19.5	50	55.6
	W18-SS18-1	2014 02 18	0.0 - 0.5	-	47	-	52.8	723	1,210	1,540
W18-SSD-6	W18-SSD-6	Duplicate	0.0 - 0.5	-	53.5	-	59.5	936	1,370	1,750
	QA/QC RPD%			-	13	-	12	26	12	13
	W18-SS18-2	2014 02 18	0.5 - 1.0	-	47.6	-	57.5	829	1,320	1,740
W18-SS18-3	W18-SS18-3	2014 02 18	1.0 - 1.5	-	49.5	-	42.4	623	975	1,260
	W18-SS19-1	2014 02 18	0.0 - 0.5	-	43.7	-	5.2	48.5	118	111
	W18-SS19-2	2014 02 18	0.5 - 1.0	-	38.7	-	6.1	32.9	140	85
W18-SS19-3	W18-SS19-3	2014 02 18	1.0 - 1.5	-	38.3	-	6.2	34.2	143	89.2
	W18-SS20-1	2014 02 18	0.0 - 0.5	-	46.2	-	< 5	16.4	35.2	35.4
	W18-SS20-2	2014 02 18	0.5 - 1.0	-	45	-	< 5	12.9	26.9	28.8
W18-SS20-3	W18-SS20-3	2014 02 18	1.0 - 1.5	-	43	-	< 5	13.6	31.7	31.6
	W18-SS21-1	2014 02 18	0.0 - 0.5	-	38.5	-	< 5	12	32	31
	W18-SS21-2	2014 02 18	0.5 - 1.0	-	30.1	-	< 5	9.9	36.2	32.9
W18-SS21-3	W18-SS21-3	2014 02 18	1.0 - 1.5	-	32.5	-	< 5	9.6	29.4	29.6
	W18-SS22-1	2014 02 18	0.0 - 0.5	-	46.7	-	< 5	11.4	24.5	24.4
	W18-SS22-2	2014 02 18	0.5 - 1.0	-	44	-	< 5	9.5	21.9	21.7
W18-SS22-3	W18-SS22-3	2014 02 18	1.0 - 1.5	-	54	-	< 5	13.2	24.1	24.3
	W18-SSD-7	Duplicate	1.0 - 1.5	-	53.7	-	< 5	13.8	27	25.6
	QA/QC RPD%			-	1	-	*	*	*	*
W18-SS23-1	W18-SS23-1	2014 02 18	0.0 - 0.5	-	39.9	-	< 5	13.7	28.6	34.2
	W18-SS23-2	2014 02 18	0.5 - 1.0	-	42.3	-	< 5	12.7	25.6	30.1
	W18-SS23-3	2014 02 18	1.0 - 1.5	-	41.4	-	< 5	13.8	25.9	33.4
W18-SS24-1	W18-SS24-1	2014 02 18	0.0 - 0.5	-	37	-	< 5	13.4	27.8	36.3
	W18-SS24-2	2014 02 18	0.5 - 1.0	-	41.7	-	< 5	12.5	22.2	30.1
	W18-SS24-3	2014 02 18	1.0 - 1.5	-	63	-	< 5	11.8	13.9	18.7
W18-SS25-1	W18-SS25-1	2014 02 18	0.0 - 0.5	-	45.4	-	< 5	12.4	18.9	27.3
	W18-SS25-2	2014 02 18	0.5 - 1.0	-	42	-	< 5	9.9	24.9	23.6
	W18-SSD-8	Duplicate	0.5 - 1.0	-	46	-	< 5	10.3	22.4	22.3
W18-SS25-3	QA/QC RPD%			-	9	-	*	*	*	*
	W18-SS25-3	2014 02 18	1.0 - 1.5	-	34.4	-	< 5	13.4	30.5	38.9
	W18-SS26-1	2014 02 18	0.0 - 0.5	-	37.5	-	< 5	13.8	35.9	36.9
W18-SS26-2	W18-SS26-2	2014 02 18	0.5 - 1.0	-	38.7	-	< 5	11.5	29	29.8
	W18-SS26-3	2014 02 18	1.0 - 1.5	-	42.3	-	< 5	14.8	32.9	35
	2460-14SSBK01	2460-14SSBK01	2014 03 01	0.0 - 0.5	-	268	-	< 5	70	13.1
2460-14SSBK04	2460-14SSBK04	2014 03 01	0.0 - 0.6	-	205	-	< 5	65	19.9	31.6
2460-14SSBK05	2460-14SSBK05	2014 03 01	0.0 - 0.5	-	182	-	< 5	75.3	16.8	41.5
	2460-14SSDUP01	Duplicate	0.0 - 0.5	-	164	-	< 5	77.6	13.2	47.4
	QA/QC RPD%			-	10	-	*	3	*	*
BH16-106-1	BH16-106-1	2016 03 09	0.3 - 0.6	-	48.2	2,870	311	366	-	760
	BH16-106-2	2016 03 09	3.4 - 3.7	-	38.2	4,160	350	453	-	1,190
	BH16-106-3	2016 03 10	3.8 - 4.1	-	34.4	2,550	192	227	-	659
BH16-106-4	BH16-106-4	2016 03 10	5.6 - 5.9	-	35.6	5,850	449	590	-	1,660
	BH16-106-5	2016 03 10	6.7 - 7.0	-	39.3	10,900	916	1,170	-	2,980
	BH16-107-1	2016 03 09	0.3 - 0.6	-	38.5	19,600	1,740	2,580	-	6,700
BH16-107-2	BH16-107-2	2016 03 09	3.4 - 3.7	-	29.5	13,900	905	1,310	-	4,440
	BH16-107-3	2016 03 09	5.5 - 5.8	-	35.6	21,600	1,730	2,700	-	7,590
	BH16-108-1	2016 03 09	0.3 - 0.6	-	38.8	7,450	645	721	-	1,860
BH16-108-2	BH16-108-2	2016 03 09	3.4 - 3.7	-	38.8	3,990	330	445	-	1,150
	BH16-108-3	Duplicate	3.4 - 3.7	-	37.3	4,100	321	430	-	1,150
	QA/QC RPD%			-	4	3	3	3	-	0
BH16-108-4	BH16-108-4	2016 03 09	5.8 - 6.1	-	42.6	2,720	248	299	-	703
	BH16-109-1	2016 03 10	0.3 - 0.6	-	36.7	1,390	73.9	104	-	282
	BH16-109-2	2016 03 10	3.4 - 3.7	-	38.8	677	49.4	46.6	-	120
BH16-109-3	BH16-109-3	Duplicate	3.4 - 3.7	-	38.7	674	49.6	45.9	-	118
	QA/QC RPD%			-	0	0	0	2	-	2
	BH16-109-5	2016 03 10	5.5 - 5.9	-	45.5	1,350	94.8	142	-	312
BH16-110-1	BH16-110-1	2016 03 10	2.0 - 2.3	-	39.1	1,020	16.3	101	-	258
	BH16-110-2	2016 03 10	5.2 - 5.5	-	38	1,660	122	154	-	405
	BH16-110-4	2016 03 10	7.8 - 8.1	-	39.5	1,340	108	120	-	304
BH16-112	BH16-112-05	2016 05 26	7.3 - 7.5	< 0.020	42.4	3,340	306	435	721	1,030
Federal Guideline										
CCME CEQG Residential Land Use (RL)				0.9 ^b	n/a	n/a	n/a	n/a	n/a	n/a
BC Standard										
CSR Residential Land Use (RL) (sample depth < 3.0m) ^a				10	n/a	n/a	200	90	n/a	n/a
CSR Commercial Land Use (CL) (sample depth > 3.0m) ^a				100	n/a	n/a	1,000	90	n/a	n/a

Associated Maxxam file(s): B642441.
All terms defined within the body of SNC-Lavalin's report.
< Denotes concentration less than indicated detection limit or RPD less than indicated value.
- Denotes analysis not conducted.
n/a Denotes no applicable standard/guideline.
* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD	Concentration greater than CCME CEQG Residential Land Use (RL) Guideline
SHADOW	Concentration greater than CSR Residential Land Use (RL) Standard (Commercial Land Use [CL] below 3.0 m).

^a The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).
^b Guideline is for free cyanide. Cyanide (WAD) is compared to this guideline as a conservative comparison.

TABLE 7: Summary of Analytical Results for VOCs in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Volatile Organic Compounds																																						
				Bromo benzene µg/g	Bromo dichloro methane µg/g	Bromo form µg/g	Bromo methane µg/g	1,3-Butadiene µg/g	Carbon tetra chloride µg/g	Chloro benzene µg/g	Chloro ethane µg/g	Chloro form µg/g	Chloro methane µg/g	Dibromo chloro methane µg/g	1,2-Di bromo ethane µg/g	1,2-Di chloro benzene µg/g	1,3-Di chloro benzene µg/g	1,4-Di chloro benzene µg/g	Dichloro difluoro methane µg/g	1,1-Dichloro ethane µg/g	1,2-Dichloro ethane µg/g	1,1-Dichloro ethylene µg/g	cis-1,2-Dichloro ethylene µg/g	trans-1,2-Dichloro ethylene µg/g	Dichloro methane µg/g	1,2-Dichloro propane µg/g	cis-1,3-Dichloro propene µg/g	trans-1,3-Dichloro propene µg/g	2-Hexa none µg/g	Methyl ethyl ketone µg/g	Methyl isobutyl ketone µg/g	Methylene bromide µg/g	1,1,1,2-Tetra chloroethane µg/g	1,1,2,2-Tetra chloroethane µg/g	Tetra chloro ethylene µg/g	1,1,1-Tri chloro ethane µg/g	1,1,2-Tri chloro ethane µg/g	Trichloro ethylene µg/g	Trichloro fluoro methane µg/g	Vinyl chloride µg/g		
SS4	SS 4	2005 11 09	0.0 - 0.1	-	< 0.01	< 0.01	< 0.04	-	< 0.01	< 0.01	< 0.02	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.3	< 0.01	< 0.01	< 0.01	< 0.5	< 0.5	< 0.2	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02		
PAILS	Pails-2	2006 08 18	0.4 - 0.4	-	< 0.03	< 0.03	< 0.12	-	< 0.03	< 0.03	< 0.06	< 0.03	< 0.12	< 0.03	< 0.03	< 0.03	< 0.03	< 0.06	< 0.03	< 0.06	< 0.03	< 0.03	< 0.03	< 0.9	< 0.03	< 0.03	< 0.03	< 1.5	< 1.5	< 0.6	< 0.03	-	< 0.03	< 0.03	< 0.03	< 0.03 ^a	< 0.03	< 0.03	< 0.06			
	BH79-01	2011 09 11	0.0 - 0.5	-	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.4	-	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	-	< 0.05	< 0.3	< 0.05	< 0.05	< 0.15	< 0.01	< 0.1	< 0.1	
	GR13	Duplicate	0.0 - 0.5	-	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	0.17	-	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	-	< 0.05	< 0.25	< 0.05	< 0.05	< 0.1	< 0.01	< 0.1	< 0.1	
	QA/QC RPD%			-	*	*	-	-	*	*	*	*	*	*	-	*	*	*	-	*	*	*	*	*	*	*	*	*	*	*	-	-	-	*	*	*	*	*	*	*	*	*
	BH79-10	2011 09 11	7.6 - 8.2	-	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.05	-	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.3	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.1	< 0.1		
BH79-12	2011 09 11	9.1 - 9.6	-	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.05	-	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.3	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.1	< 0.1	< 0.1			
BH13-89	BH13-89-1-W18	2013 09 29	0.3 - 0.5	< 0.4	< 0.1	< 0.1	< 0.6	< 0.2	< 0.05	< 0.05	< 0.2	< 0.1	< 0.2	< 0.1	-	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	< 0.05	< 0.1	< 0.1	-	-	-	-	< 0.48	< 0.05	< 0.05	< 0.05	< 0.05	< 0.018 ^a	< 0.4	< 0.12			
BH13-90	BH13-90-9-W18	2013 09 29	5.6 - 5.7	< 0.4	< 0.1	< 0.1	< 0.6	< 0.2	< 0.05	< 0.05	< 0.2	< 0.1	< 0.2	< 0.1	-	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	< 0.05	< 0.1	< 0.1	-	-	-	-	< 0.4	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.018 ^a	< 0.4	< 0.12		
W18-SS27	W18-SS27-1	2014 02 19	0.0 - 0.5	< 0.4	< 0.1	< 0.1	< 0.6	< 0.2	< 0.05	< 0.05	< 0.2	< 0.1	< 0.2	< 0.1	-</																											

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD	Concentration greater than CCME CEQG Residential Land Use (RL) Guideline
SHADOW	Concentration greater than CSR Residential Land Use (RL) Standard (Commercial Land Use [CL] below 3.0 m).

^a Laboratory detection limit exceeds regulatory standard/guideline.

^b The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

TABLE 8: Summary of Analytical Results for PCBs in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	PCBs			
				Arochlor 1242 µg/g	Arochlor 1248 µg/g	Arochlor 1254 µg/g	Arochlor 1260 µg/g
SS4	SS 4	2005 11 09	0.0 - 0.1	< 0.03	< 0.03	< 0.03	< 0.03
PAILS	Pails-2	2006 08 18	0.4 - 0.4	< 0.03	< 0.03	< 0.03	< 0.03
Federal Guideline							
CCME CEQG Residential Land Use (RL) ^a				1.3	1.3	1.3	1.3
BC Standard							
CSR Residential Land Use (RL) (sample depth < 3.0m) ^b				5	5	5	5
CSR Commercial Land Use (CL) (sample depth > 3.0m) ^b				15	15	15	15

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- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD Concentration greater than CCME CEQG Residential Land Use (RL) Guideline

SHADOW Concentration greater than CSR Residential Land Use (RL) Standard (Commercial Land Use [CL] below 3.0 m).

^a Guideline is for Total PCBs. It has been conservatively applied to individual arochlor mixtures.

^b The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

TABLE 9: Summary of Analytical Results for Glycols in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Depth Interval (m)	Glycols				
				Propylene glycol µg/g	Ethylene glycol µg/g	Diethylene glycol µg/g	Triethylene glycol µg/g	Tetraethylene glycol µg/g
SS4	SS 4	2005 11 09	0.0 - 0.1	< 10	< 10	< 10	< 19	-
PAILS	Pails-2	2006 08 18	0.4 - 0.4	< 10	< 10	< 10	< 20	-
CS58	CS58	2007 11 14	0.6	< 10	< 2	< 3	< 6	< 10
CS62	CS62	2007 11 14	0.2	< 10	< 2	< 3	< 6	< 10
CS63	CS63	2007 11 14	0.2	< 10	< 2	< 3	< 6	< 10
Federal Guideline								
CCME CEQG Residential Land Use (RL)				n/a	960	n/a	n/a	n/a
BC Standard								
CSR Residential Land Use (RL) (sample depth < 3.0m) ^a				30,000	1,500	n/a	n/a	n/a
CSR Commercial Land Use (CL) (sample depth > 3.0m) ^a				n/a	n/a	n/a	n/a	n/a

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD Concentration greater than CCME CEQG Residential Land Use (RL) Guideline

SHADOW Concentration greater than CSR Residential Land Use (RL) Standard (Commercial Land Use [CL] below 3.0 m).

^a The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil, groundwater used for drinking water, toxicity to soil invertebrates and plants, and groundwater flow to surface water used by freshwater aquatic life (whichever is most stringent).

TABLE 10: Summary of Analytical Results for TCLP Metals in Soil

Sample Location	Sample ID	Sample Date (yyyy mm dd)	TCLP Metals
			Zinc µg/L
SS4(2007)	SS4(2007)	2007 10 30	1,060
	GR75	Duplicate	1,590
	QA/QC RPD%		*
BC Standard			
HWR Leachate Quality Standards (HWLQ) ^a			500,000

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

<u>BOLD</u>	Concentration greater than HWR Leachate Quality Standards (HWLQ) Standard
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TABLE 11: Summary of Analytical Results for Hydrocarbons in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons					Gross Parameters					MTBE
			Benzene µg/L	Ethylbenzene µg/L	Toluene µg/L	Xylenes µg/L	Styrene µg/L	VH (C6-C10) µg/L	VPH (C6-C10) µg/L	EPH (C10-C19) µg/L	LEPH (C10-C19) ^e µg/L	EPH (C19-C32) µg/L	MTBE µg/L
MW-01	MW01	2004 04 07	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	MW-01	2004 09 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	GR11	Duplicate	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	QA/QC RPD%		*	*	*	*	*	*	*	*	*	*	-
MW-02	MW01	2005 03 20	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	MW02	2004 04 07	49	1,700	1,100	21,000	< 10	540,000	52,000	970,000	< 250	18,000	-
MW-03	MW03	2004 04 07	-	-	-	-	-	-	-	1,300	1,300	< 250	-
	GR10	Duplicate	-	-	-	-	-	-	-	640	640	250	-
	QA/QC RPD%		-	-	-	-	-	-	-	*	*	*	-
BH11M	BH11M	2004 09 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	270	-
	BH11M	2005 03 20	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	BH11M(7th)	2008 10 09	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	310	< 0.5
	BH11M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	330	< 0.500
	BH11M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	950	950	280	< 0.5
	BH11M(Aug2012)	2012 08 14	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	120	< 1
	BH11M	2013 02 08	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	130	130	230	< 1
	MW11M-W18	2013 08 04	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	BH11 M	2014 02 24	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	BH11M	2015 10 08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	BH12M	BH12M	2004 04 07	5.7	< 0.1	< 0.1	5.3	< 0.1	< 100	< 100	370	370	< 250
BH12M		2004 09 18	< 0.1	< 0.1	< 0.1	0.3	< 0.1	< 100	< 100	< 250	< 250	< 250	-
BH12M		2005 03 20	2.9	0.3	< 0.1	2.8	-	< 100	< 100	< 250	< 250	< 250	-
BH12M		2005 11 04	0.5	< 0.1	< 0.1	0.5	< 0.1	< 100	< 100	-	-	-	-
GR14		Duplicate	0.6	< 0.1	< 0.1	0.6	< 0.1	< 100	< 100	-	-	-	-
QA/QC RPD%		*	*	*	*	*	*	*	-	-	-	-	
BH12M		2006 08 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
BH12M(7th)		2008 10 09	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	440	< 0.5
BH12M(9th)		2010 09 12	0.6	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	270	270	450	< 0.500
BH12M		2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	250	< 0.5
BH12M(Aug2012)		2012 08 14	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	240	190	< 1
BH14M	BH14M	2004 04 07	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	BH29M	2004 09 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	-	-	-	-
BH29M	BH29M	2005 03 20	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	GRA	Duplicate	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	QA/QC RPD%		-	-	-	-	-	-	-	*	*	*	-
BH31M	BH31M	2004 04 07	-	-	-	-	-	-	-	540	540	390	-
	BH31M	2004 09 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	BH31M	2005 11 04	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	BH31M	2006 08 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
BH32M	BH32M	2004 04 07	-	-	-	-	-	-	-	2,000	2,000	< 250	-
	BH32M	2004 09 18	11	1.1	< 0.1	6.4	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	BH32M	2005 11 04	8.3	1.1	< 0.1	6	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	GR15	Duplicate	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	QA/QC RPD%		-	-	-	-	-	-	-	*	*	*	-
	BH32M	2006 08 18	5.8	0.6	< 0.1	3.2	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	GR60	Duplicate	6.1	0.5	< 0.1	2.8	< 0.1	< 100	< 100	< 250	< 250	< 250	-
QA/QC RPD%		5	18	*	13	*	*	*	*	*	*	-	
BH33M	BH33M	2004 04 07	< 0.1	0.5	0.9	2.6	< 0.1	< 100	< 100	690	690	360	-
	BH33M	2004 09 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	BH33M	2005 11 04	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	BH33M	2006 08 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	380	-
BH35M	BH35M	2005 11 04	46	1,000	1,400	15,000	-	-	-	80,000	80,000	1,800	-
	BH46M	2006 08 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
BH46M	BH46M(Aug2012)	2012 08 13	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	< 100	< 100	< 100	< 1
	MW46M-W18	2013 08 04	-	-	-	-	-	-	-	< 400	< 400	< 400	-
	BH51M	BH51M	2006 08 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250
BH55M	BH55M	2006 08 18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	BH55M(7th)	2008 10 09	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	-	-	-	< 0.5
	BH55M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	-	-	-	< 0.500
	BH55M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	-	-	-	< 0.5
	BH55M(Aug2012)	2012 08 13	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	< 100	< 100	< 100	< 1
	MW55M-W18	2013 08 01	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	BH55M	2015 10 08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH56M	BH56M(7th)	2008 10 09	91	50	46	270	< 0.1	1,100	640	1,800	1,800	380	< 0.5
	BH56M(9th)	2010 09 12	78	57.9	11.6	200	< 0.500	520	170	2,300	2,070	320	< 0.500
	BH56M	2011 09 18	56.3	35	4.95	149	< 0.5	300	< 100	1,990	1,750	< 250	< 0.5
	GR6	Duplicate	57.4	41.9	5.3	158	< 0.5	560	300	2,610	2,350	< 250	< 0.5
	QA/QC RPD%		2	18	7	6	*	*	*	27	29	*	*
	BH56M(Aug2012)	2012 08 14	44	30.5	3.9	93	< 0.5	380	200	-	1,010	120	< 1
	2460-Dup1(Aug2012)	Duplicate	47.8	32.5	4.1	101	< 0.5	390	210	-	1,040	130	< 1
	QA/QC RPD%		8	6	5	8	*	*	*	-	3	*	*
	MW56M-W18	2013 08 04	39	46	4.2	160	< 0.8	500	< 600	1,800	1,600	< 400	< 8
	BH56M-140823	2014 08 23/24	< 0.4	2.4	2.1	22	< 0.4	< 300	< 300	220	220	< 200	< 4
	MW14-G-140823	Duplicate	< 0.4	2.4	2.2	22	< 0.4	< 300	< 300	-	-	-	< 4
	MW14-G-140824	2014 08 24	-	-	-	-	-	-	-	250	250	< 200	-
	QA/QC RPD%		*</										

TABLE 11 (Cont'd): Summary of Analytical Results for Hydrocarbons in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons					Gross Parameters					MTBE
			Benzene µg/L	Ethylbenzene µg/L	Toluene µg/L	Xylenes µg/L	Styrene µg/L	VH (C6-C10) µg/L	VPH (C6-C10) µg/L	EPH (C10-C19) µg/L	LEPH (C10-C19) ^e µg/L	EPH (C19-C32) µg/L	MTBE µg/L
BH61M	BH61M(9th)	2010 09 12	5.78	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	< 250	< 0.500
	BH61M	2011 09 18	3.42	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	GR7	Duplicate	3.16	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	QA/QC RPD%		8	*	*	*	*	*	*	*	*	*	*
	BH61M(Aug2012)	2012 08 15	0.6	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
	2460-DUP 3(Aug2012)	Duplicate	0.6	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
	QA/QC RPD%		*	*	*	*	*	*	*	*	*	*	*
	MW61M-W18	2013 08 06	4.6	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	MW13-J-W18	Duplicate	4.7	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	QA/QC RPD%		2	*	*	*	*	*	*	*	*	*	*
BH62M	BH61M-140818	2014 08 18	2.6	< 0.4	< 0.4	1.7	< 0.4	< 300	< 300	-	-	-	< 4
	BH62M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	< 250	< 0.500
	BH62M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	BH62M(Aug2012)	2012 08 15	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	190	< 1
	BH62 M	2014 02 25	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	BH62M	2015 10 08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH63M	BH63M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	< 250	< 0.500
	BH63M	2011 09 18	0.01	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	BH63M(Aug2012)	2012 08 14	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
BH64M	MW63M-W18	2013 08 04	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	BH64M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	< 250	< 0.500
	BH64M	2011 09 18	0.01	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	BH64M(Aug2012)	2012 08 14	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
	MW64M-W18	2013 08 04	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	BH64M	2015 10 06	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	DUP 1	Duplicate	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
QA/QC RPD%		*	*	*	*	*	*	*	*	*	*	*	
BH65M	BH65M(9th)	2010 09 12	1.54	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	< 250	< 0.500
	BH65M	2011 09 18	1.83	1.08	< 0.5	4.63	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	BH65M(Aug2012)	2012 08 14	2.6	0.9	< 0.5	2	< 0.5	< 100	< 100	-	120	< 100	< 1
	MW65M-W18	2013 08 04	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	BH65M	2015 10 08	< 0.4	< 0.4	< 0.4	1.1	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH69M	BH69M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	1,380	1,380	370	< 0.500
	BH69M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	620	620	< 250	< 0.5
	BH69M(Aug2012)	2012 08 15	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	210	120	< 1
	MW69M-W18	2013 08 04	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	280	280	< 400	< 8
	BH69M-140819	2014 08 19	-	-	-	-	-	-	-	740	740	< 200	-
BH70M	BH70M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	300	< 0.500
	BH70M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	BH70M(Aug2012)	2012 08 15	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	100	120	< 1
	MW70M-W18	2013 08 04	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	BH70M	2015 10 08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH71M	BH71M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	< 250	< 0.500
	BH71M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	BH71M(Aug2012)	2012 08 14	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	210	150	< 1
	MW71M-W18	2013 08 06	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	BH71M	2015 10 08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH72M	BH72M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	250	< 0.500
	BH72M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	-	-	-	< 0.5
	BH72M(Aug2012)	2012 08 14	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
BH73M	BH73M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	< 250	< 0.500
	BH73M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	BH73M(Aug2012)	2012 08 15	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
	MW73M-W18	2013 08 06	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
BH74M	BH74M(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	< 250	< 0.500
	BH74M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
	BH74M(Aug2012)	2012 08 15	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
	MW74M-W18	2013 08 06	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
BH76M	BH76M	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	700	700	< 250	< 0.5
	MW76M-W18	2013 08 04	< 0.8	< 0.8	< 0.8	0.44	< 0.8	< 600	< 600	620	620	< 400	< 8
	BH76M-140819	2014 08 19	< 0.4	< 0.4	< 0.4	1.3	< 0.4	< 300	< 300	260	260	< 200	< 4
	BH76M	2015 10 06	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH78M	BH78M	2011 09 18	0.83	1.79	2.32	13.3	< 0.5	280	260	1,160	1,160	< 250	< 0.5
	GR9	Duplicate	0.99	2.24	2.51	15	< 0.5	280	250	1,980	1,970	300	< 0.5
	QA/QC RPD%		*	*	*	12	*	*	*	52	52	*	*
	BH78M(Aug2012)	201											

TABLE 11 (Cont'd): Summary of Analytical Results for Hydrocarbons in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons					Gross Parameters					MTBE
			Benzene µg/L	Ethylbenzene µg/L	Toluene µg/L	Xylenes µg/L	Styrene µg/L	VH (C6-C10) µg/L	VPH (C6-C10) µg/L	EPH (C10-C19) µg/L	LEPH (C10-C19) ^o µg/L	EPH (C19-C32) µg/L	
BH87M	BH87M(Aug2012)	2012 08 14	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
	MW87M-W18	2013 08 04	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	MW13-I-W18	Duplicate	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	QA/QC RPD%		*	*	*	*	*	*	*	*	*	*	*
BH88M	BH88M(Aug2012)	2012 08 15	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
	MW88M-W18	2013 08 04	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
BH13-89	MW13-89-W18	2013 10 07	-	-	-	-	-	-	-	740	740	< 400	-
	MW13-89B-W18	2013 10 08	< 0.8	< 0.8	< 0.8	0.64	< 1	< 600	< 600	-	-	-	< 8
	BH13-89-140827	2014 08 27	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	490	< 4
BH13-90	MW13-90-W18	2013 10 07	0.66	< 0.8	0.54	3.4	< 1	< 600	< 600	< 400	< 400	< 400	< 8
	MW13-K-W18	Duplicate	0.63	< 0.8	0.5	3.3	< 1	< 600	< 600	-	-	-	< 8
	QA/QC RPD%		*	*	8	3	*	*	*	-	-	-	*
	BH13-90-140821	2014 08 21	7.9	6.6	6.9	35	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	MW14-D-140821	Duplicate	8.3	6.7	6.9	36	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	QA/QC RPD%		5	2	0	3	*	*	*	*	*	*	*
	BH90M	2015 10 08	0.72	0.51	< 0.4	2.8	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH13-91	MW13-91-W18	2013 10 07	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 600	< 600	< 400	< 400	< 400	< 8
BH13-92	BH13-92-W18	2013 12 01	< 0.8	< 0.8	0.53	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	BH13-92-140824	2014 08 24	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	BH92M	2015 10 08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	DUP2	Duplicate	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	QA/QC RPD%		*	*	*	*	*	*	*	*	*	*	*
BH13-93	BH13-93-W18	2013 11 30	2.4	< 0.8	0.87	77	< 0.8	< 600	< 600	1,100	1,100	< 400	< 8
	BH93M	2015 10 08	8.9	39	40	210	< 0.4	660	360	1,900	1,600	< 200	< 4
BH13-94	BH13-94-W18	2013 11 30	47	99	220	760	< 0.8	1,600	480	-	-	-	< 8
BH13-95	BH13-95-W18	2013 11 30	< 0.8	< 0.8	1.9	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	BH13-T-W18	Duplicate	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
	QA/QC RPD%		*	*	*	*	*	*	*	*	*	*	*
	BH13-95-140824	2014 08 24/25	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	BH95M	2015 10 08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH14-96M	BH96 M	2014 02 24	< 0.4	< 0.4	< 0.4	0.63	< 0.4	< 300	< 300	280	280	260	< 4
BH14-97M	BH97 M	2014 02 24	0.82	0.83	0.86	3.3	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH14-98M	BH98 M	2014 02 24	35	11	18	62	< 0.4	< 300	< 300	1,800	1,700	1,800	< 4
	DUP 1	Duplicate	36	9.6	18	59	< 0.4	< 300	< 300	1,600	1,500	1,700	< 4
	QA/QC RPD%		3	14	0	5	*	*	*	12	12	6	*
BH14-99M	BH99 M	2014 02 24	0.68	0.54	< 0.4	0.9	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	BH99M	2015 10 08	0.91	0.95	< 0.4	4.3	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH14-100M	BH100 M	2014 02 25	40	25	27	170	< 0.4	480	< 300	1,300	1,100	< 200	< 4
	BH100M	2015 10 08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
BH14-103M	BH103 M	2014 02 25	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	BH103M	2015 10 08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
DW14-TAP	TAP-CH	2007 11 09	0.67	< 0.5	2.6	2.6	< 0.5	< 300	< 300	< 80	< 80	< 80	< 4
	TAP-CH3-NOV 1707	2007 11 17	< 0.5	< 0.5	0.94	< 0.5	< 0.5	< 300	< 300	< 150	< 150	< 150	< 4
	GR100-NOV 1707	Duplicate	2.7	1.3	11	4.9	< 0.5	< 300	< 300	< 150	< 150	< 150	< 4
	QA/QC RPD%		*	*	169	*	*	*	*	*	*	*	*
Tap 5	DW14-TAP-140822	2014 08 22	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 300	< 300	< 200	< 200	< 200	< 4
	Tap5	2006 08 20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	2460-TAP(Aug2012)	2012 08 14	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 100	< 100	-	< 100	< 100	< 1
	T3-TAP-W18	2013 08 06	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 600	< 600	< 400	< 400	< 400	< 8
Well	Well	2004 04 07	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	WELL	2004 09 30	-	-	-	-	-	-	-	< 250	< 250	< 250	-
	Well	2005 11 04	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	Well	2006 08 20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250	< 250	-
	WELL(9th)	2010 09 12	< 0.500	< 0.500	< 1.0	< 0.710	< 0.500	< 100	< 100	< 250	< 250	< 250	< 0.500
	WELL	2011 09 18	< 0.5	< 0.5	< 0.5	< 0.75	< 0.5	< 100	< 100	< 250	< 250	< 250	< 0.5
Federal Guideline													
Canadian Drinking Water Quality Guidelines (CDWQG)			5	1.6	24	20	n/a	n/a	n/a	n/a	n/a	n/a	15
FGQG Tier 2 Residential Land Use (RL) ^a			140	16,000	83	3,900	72	n/a	810 ^c	n/a	1,300 ^c	n/a	340
BC Standard													
CSR Drinking Water (DW)			5	2.4	24	300	n/a	15,000 ^d	n/a	5,000 ^d	n/a	n/a	15
CSR Aquatic Life (AW) ^b			4,000	2,000	390	n/a	720	15,000 ^d	1,500	5,000 ^d	500	n/a	34,000

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
BOLD	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard
YELLOW	VPH or LEPH concentration greater than FGQG RL F1 or F2 guideline (potential FGQG exceedance), only applied where no F1 or F2 concentration is available.

^a Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^b Standard to protect freshwater aquatic life.

^c F1 and F2 guidelines shown for comparison purposes.

^d Applicable at all sites irrespective of water use.

^o Where available, values corrected for the presence of individual PAH are shown. Otherwise, uncorrected values are shown.

TABLE 12: Summary of Analytical Results for PAHs in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Polycyclic Aromatic Hydrocarbons																		
			Naphthalene µg/L	2-Methylnaphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Phenanthrene µg/L	Anthracene µg/L	Acridine µg/L	Fluoranthene µg/L	Pyrene µg/L	Benzo(a) anthracene µg/L	Chrysene µg/L	Benzo(b) fluoranthene µg/L	Benzo(b+j) fluoranthene µg/L	Benzo(k) fluoranthene µg/L	Benzo(a) pyrene µg/L	Indeno(1,2,3-cd) pyrene µg/L	Dibenz(a,h) anthracene µg/L	Benzo(g,h,i) perylene µg/L
MW-01	MW-01	2004 09 18	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	GR11	Duplicate	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.5	
	QA/QC RPD%		*	-	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*
MW-02 BH11M	MW02	2004 04 07	3,200	-	< 10	120	200	120	< 1 ^a	< 5 ^a	< 4 ^a	< 2 ^a	< 1 ^a	< 1	< 1	-	< 1 ^a	< 1 ^a	< 1 ^a	< 1 ^a	< 50 ^a
	BH11M	2004 09 18	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	0.02	0.04	-	0.01	< 0.01	< 0.01	< 0.01	< 0.5
	BH11M(7th)	2008 10 09	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.5	
	BH11M(9th)	2010 09 12	< 0.0500	-	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0100	< 0.0500	< 0.0400	< 0.0200	< 0.0100	< 0.0500	< 0.0500	-	< 0.0500	< 0.0100	< 0.0500	< 0.0500	< 0.0500
	BH11M	2011 09 18	< 0.02	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04
	BH11M(Aug2012)	2012 08 14	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.1
	BH11M	2013 02 08	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.1
	MW11M-W18	2013 08 04	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.02 ^a	< 0.1 ^a	< 0.04	< 0.04 ^a	< 0.02 ^a	< 0.1	-	< 0.1	< 0.1	< 0.018 ^a	< 0.1	< 0.1	< 0.1
	BH11 M	2014 02 24	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.5
BH12M	BH11M	2015 10 08	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.24
	BH12M	2004 04 07	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	BH12M	2004 09 18	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	BH12M	2006 08 18	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	BH12M(7th)	2008 10 09	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	BH12M(9th)	2010 09 12	< 0.0500	-	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0100	< 0.0500	< 0.0400	< 0.0200	< 0.0100	< 0.0500	< 0.0500	-	< 0.0500	< 0.0100	< 0.0500	< 0.0500	< 0.0500
	BH12M	2011 09 18	< 0.02	-	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.07
	BH12M(Aug2012)	2012 08 14	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.1
	MW12M-W18	2013 08 04	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.02 ^a	< 0.1 ^a	< 0.04	< 0.04 ^a	< 0.02 ^a	< 0.1	-	< 0.1	< 0.1	< 0.018 ^a	< 0.1	< 0.1	< 0.1
BH31M	BH31M	2004 09 18	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	BH31M	2005 11 04	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
BH32M	BH32M	2004 09 18	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	BH32M	2005 11 04	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	GR60	Duplicate	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	QA/QC RPD%		*	-	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*
	BH32M	2006 08 18	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
BH33M BH46M	GR15	Duplicate	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	QA/QC RPD%		*	-	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*
	BH32M	2006 08 18	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	BH32M	2005 11 04	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5
	GR15	Duplicate	< 0.3	-	< 0.1	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0									

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

^a Laboratory detection limit exceeds regulatory standard/guideline.

Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^c Standard to protect freshwater aquatic life.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
<i>BOLD</i>	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
<u>OUTLINE</u>	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

TABLE 12 (Cont'd): Summary of Analytical Results for PAHs in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Polycyclic Aromatic Hydrocarbons																			
			Naphthalene µg/L	2-Methylnaphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Phenanthrene µg/L	Anthracene µg/L	Acridine µg/L	Fluoranthene µg/L	Pyrene µg/L	Benzo(a) anthracene µg/L	Chrysene µg/L	Benzo(b) fluoranthene µg/L	Benzo(b+j) fluoranthene µg/L	Benzo(k) fluoranthene µg/L	Benzo(a) pyrene µg/L	Indeno(1,2,3-cd) pyrene µg/L	Dibenz(a,h) anthracene µg/L	Benzo(g,h,i) perylene µg/L	Quinoline µg/L
BH71M	BH71M(9th)	2010 09 12	< 0.0800	-	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 100 ^a	< 0.0500	< 0.0400	< 0.0200	< 0.0100	< 0.0500	< 0.0500	-	< 0.0500	< 0.0100	< 0.0500	< 0.0500	< 0.0500	< 0.230
	BH71M	2011 09 18	< 0.02	-	< 0.01	< 0.01	0.013	< 0.02	< 0.03 ^a	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.4	
	BH71M(Aug2012)	2012 08 14	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05	< 0.1
	MW71M-W18	2013 08 06	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.02 ^a	< 0.1 ^a	< 0.04	< 0.04 ^a	< 0.02 ^a	< 0.1	-	< 0.1	< 0.1	< 0.018 ^a	< 0.1	< 0.1	< 0.1	< 1
BH72M	BH71M	2015 10 08	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.24
	BH72M(9th)	2010 09 12	< 0.0500	-	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0100	< 0.0500	< 0.0400	< 0.0200	< 0.0100	< 0.0500	< 0.0500	-	< 0.0500	< 0.0100	< 0.0500	< 0.0500	< 0.0500	< 0.0500
BH73M	BH72M(Aug2012)	2012 08 14	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05	< 0.1
	BH73M(9th)	2010 09 12	< 0.0500	-	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0100	< 0.0500	< 0.0400	< 0.0200	< 0.0100	< 0.0500	< 0.0500	-	< 0.0500	< 0.0100	< 0.0500	< 0.0500	< 0.0500	< 0.0500
	BH73M	2011 09 18	< 0.02	-	< 0.01	< 0.01	< 0.01	0.024	< 0.01	< 0.01	0.013	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	BH73M(Aug2012)	2012 08 15	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05	< 0.1
BH74M	MW73M-W18	2013 08 06	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.02 ^a	< 0.1 ^a	< 0.04	< 0.04 ^a	< 0.02 ^a	< 0.1	-	< 0.1	< 0.1	< 0.018 ^a	< 0.1	< 0.1	< 0.1	< 1
	BH74M(9th)	2010 09 12	< 0.0500	-	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0100	< 0.0500	< 0.0400	< 0.0200	< 0.0100	< 0.0500	< 0.0500	-	< 0.0500	< 0.0100	< 0.0500	< 0.0500	< 0.0500	< 0.0500
	BH74M	2011 09 18	< 0.02	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.03 ^a	< 0.03	0.011	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03
	BH74M(Aug2012)	2012 08 15	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05	< 0.1
BH76M	MW74M-W18	2013 08 06	< 0.2	< 0.2	< 0.1	< 0.1	< 0.24	< 0.1	< 0.02 ^a	< 0.1 ^a	< 0.04	< 0.04 ^a	< 0.02 ^a	< 0.1	-	< 0.1	< 0.1	< 0.018 ^a	< 0.1	< 0.1	< 0.1	< 1
	BH76M	2011 09 18	< 0.08	-	< 0.03	0.059	< 0.05	0.055	< 0.03 ^a	< 0.01	0.04	0.033	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.07
	MW76M-W18	2013 08 04	0.13	0.11	< 0.1	< 0.1	< 0.1	< 0.1	< 0.02 ^a	< 0.1 ^a	< 0.04	< 0.04 ^a	< 0.02 ^a	< 0.1	-	< 0.1	< 0.1	< 0.018 ^a	< 0.1	< 0.1	< 0.1	< 1
	BH76M-140819	2014 08 19	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.24
BH78M	BH76M	2015 10 06	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.24
	BH78M	2011 09 18	< 1.5 ^a	-	< 0.2	< 0.5	2.57	0.721	< 0.04 ^a	< 0.15 ^a	< 0.01	0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.6
	GR9	Duplicate	< 2.0 ^a	-	< 0.08	< 0.5	2.94	0.889	< 0.02 ^a	< 0.3 ^a	< 0.01	0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.6
	QA/QC RPD%		*	-	*	*	13	21	*	*	*	*	*	*	*	-	*	*	*	*	*	*
BH80M	BH78M(Aug2012)	2012 08 15	0.11	-	< 0.05	0.14	0.97	0.09	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05	0.9
	MW78M-W18	2013 08 04	5.2	28	< 0.1	< 0.18	1.4	0.37	< 0.02 ^a	< 0.1 ^a	< 0.04	< 0.04 ^a	< 0.02 ^a	< 0.1	-	< 0.1	< 0.1	< 0.018 ^a	< 0.1	< 0.1	< 0.1	< 1
	BH78M-140821	2014 08 21	5.7	26	< 0.05	< 0.05	1.1	0.38	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.24
	BH80M	2011 09 18	0.023	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02
BH81M	BH80M(Aug2012)	2012 08 14	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05	< 0.1
	MW80M-W18	2013 08 04	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.02 ^a	< 0.1 ^a	< 0.04	< 0.04 ^a	< 0.02 ^a	< 0.1	-	< 0.1	< 0.1	< 0.018 ^a	< 0.1	< 0.1	< 0.1	< 1
	BH80M	2015 10 06	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.05	< 0.02	< 0.02	< 0.01	< 0.05	-	< 0.05	< 0.05	< 0.009	< 0.05	< 0.05	< 0.05	< 0.24
	BH81M	2011 09 18	< 0.04	-	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03
BH83M	BH81M(Aug2012)	2012 08 15	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05 ^a	< 0.05	< 0.05 ^a	< 0.02	< 0.05 ^a	< 0.05	< 0.05	-	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05	< 0.1
	MW81M-W18	2013 08 06	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.02 ^a	< 0.1 ^a	< 0.04	< 0.04 ^a	< 0.02 ^a									

TABLE 13: Summary of Analytical Results for Dissolved Inorganics in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters			Dissolved Inorganics																		
			Hardness mg/L	Conductivity µS/cm	Total Dissolved Solids mg/L	pH pH	Ammonia Nitrogen µg/L	Nitrate Nitrogen µg/L	Nitrite Nitrogen µg/L	Nitrate+Nitrite Nitrogen µg/L	Chloride mg/L	Fluoride µg/L	Sulphate mg/L	Phosphate mg/L	Cyanide WAD µg/L	Total Alkalinity mg/L	Alkalinity, Bicarbonate mg/L	Alkalinity, Carbonate mg/L	Alkalinity, Hydroxide mg/L	Alkalinity, Phenolphthalein mg/L	Alkalinity pH 4.5 mg/L	Salinity mg/L	Sodium Adsorption Ratio None	
MW-01	MW-01	2004 09 18	1,150	3,610	-	-	-	-	-	-	864	-	13.9	-	-	-	-	-	-	-	-	2,390	3.17	
	MW01	2005 03 20	1,440	8,750	-	-	-	-	-	-	1,690	-	24	-	-	-	-	-	-	-	-	6,200	6.54	
MW-03	MW03	2004 04 07	1,940	-	-	-	-	-	-	-	2,100	-	-	-	-	-	-	-	-	-	-	-	7.14	
BH11M	BH11M	2004 09 18	2,720	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.5	
	BH11M	2005 03 20	3,080	32,300	-	-	-	-	-	-	14,500	-	42.6	-	-	-	-	-	-	-	-	-	55.1	
	BH11M(7th)	2008 10 09	1,930	-	-	-	-	-	-	-	10,800	-	74.7	-	-	-	-	-	-	-	-	-	56.1	
	BH11M(9th)	2010 09 12	1,200	-	-	-	-	-	-	-	6,480	-	76.7	-	-	-	-	-	-	-	-	-	51.3	
	BH11M	2011 09 18	1,140	-	-	-	-	-	-	-	6,260	-	82	-	-	-	-	-	-	-	-	-	51.4	
	BH11M(Aug2012)	2012 08 14	640	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56.8	
	MW11M-W18	2013 08 04	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.8	
	BH11 M	2014 02 24	223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.4	
	BH11M-140821	2014 08 21	-	-	-	-	-	-	-	-	3,100	-	57	-	-	827	1,010	< 0.5	< 0.5	< 0.5	-	-	-	
	BH11M	2015 10 08	435	9,780	-	7.94	< 5	-	-	-	3,000	120	57.8	-	-	614	748	< 0.5	< 0.5	< 0.5	-	-	41.7	
BH12M	BH11M-160530	2016 05 30	-	3,760	2,030	-	-	-	-	-	820	-	24.8	-	-	-	-	-	-	-	-	-	25.6	
	BH12M	2004 09 18	380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56.0	
	BH12M	2005 03 20	415	16,000	-	-	-	-	-	-	3,370	-	56.8	-	-	-	-	-	-	-	-	11,800	43.4	
	BH12M	2005 11 04	512	-	-	-	-	-	-	-	3,570	-	49.8	-	-	-	-	-	-	-	-	-	41.0	
	BH12M	2006 08 18	682	-	-	-	-	-	-	-	5,780	-	49.5	-	-	-	-	-	-	-	-	-	58.6	
	BH12M(Aug2012)	2012 08 14	730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.9	
	MW12M-W18	2013 08 04	302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.8	
	BH12M-140820	2014 08 20	-	-	-	-	-	-	-	-	7,000	-	44.3	-	-	627	765	< 0.5	< 0.5	< 0.5	-	-	-	
	MW14-C-140820	Duplicate	-	-	-	-	-	-	-	-	1,900	-	43	-	-	-	-	-	-	-	-	-	-	
	QA/QC RPD%		-	-	-	-	-	-	-	-	115	-	3	-	-	-	-	-	-	-	-	-	-	-
BH14M	BH14M	2004 04 07	5,360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79.4	
	GR9	Duplicate	6,180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72.3	
	QA/QC RPD%		*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	
BH28M	MW28M-W18	2013 08 04	1,420	4,200	-	7.45	-	-	-	-	1,200	99	29.2	-	-	352	430	< 1	< 1	-	-	-	3.52	
	BH28M-140819	2014 08 19	525	-	-	-	-	-	-	-	190	-	155	-	-	309	377	< 0.5	< 0.5	< 0.5	-	-	2.03	
BH29M	BH28M	2015 10 08	539	1,270	-	8.01	8.7	-	-	-	140	73	154	-	-	288	352	< 0.5	< 0.5	< 0.5	-	-	1.40	
	BH29M	2004 04 07	-	-	-	-	-	-	-	-	< 0.2	-	-	-	-	-	-	-	-	-	-	-	-	
	BH29M	2004 09 18	575	909	-	-	-	-	-	-	0.7	-	270	-	-	-	-	-	-	-	-	560	0.074	
	BH29M	2005 03 20	588	814	-	-	-	-	-	-	1.1	-	230	-	-	-	-	-	-	-	-	500	0.105	
	GRA	Duplicate	656	815	-	-	-	-	-	-	1.1	-	229	-	-	-	-	-	-	-	-	500	0.094	
	QA/QC RPD%		11	0	-	-	-	-	-	-	*	-	0	-	-	-	-	-	-	-	-	-	*	
	BH29M	2005 11 04	450	-	-	-	-	-	-	-	< 1	-	211	-	-	-	-	-	-	-	-	-	0.125	
	GR16	Duplicate	450	-	-	-	-	-	-	-	0.59	-	223	-	-	-	-	-	-	-	-	-	0.086	
	QA/QC RPD%		0	-	-	-	-	-	-	-	*	-	6	-	-	-	-	-	-	-	-	-	*	
	BH29M(Aug2012)	2012 08 14	497	869	526	7.85	-	< 5	< 5	< 10	0.49	-	175	-	-	-	285	< 1	-	-	-	285	375	0.084
	MW29M-W18	2013 08 01	469	860	-	8.12	-	-	-	-	0.88	-	240	-	-	306	373	< 1	< 1	-	-	-	0.090	
	MW13-G-W18	Duplicate	464	861	-	8.1	-	-	-	-	0.76	-	250	-	-	306	374	< 1	< 1	-	-	-	0.096	
QA/QC RPD%		1	0	-	0	-	-	-	-	*	4	1	-	-	0	0	*	*	-	-	-	-	-	
BH31M	BH31M	2004 04 07	2,750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.3	
	BH31M	2004 09 18	3,130	48,100	-	-	-	-	-	-	11,900	-	62.5	-	-	-	-	-	-	-	-	-	46.9	
BH32M	BH32M	2004 04 07	-	-	-	-	-	-	-	-	2,970	-	-	-	-	-	-	-	-	-	-	-	-	
	BH32M	2004 09 18	1,610	9,000	-	-	-	-	-	-	2,470	-	24.5	-	-	-	-	-	-	-	-	6,350	12.8	
	BH32M	2005 11 04	1,370	-	-	-	-	-	-	-	2,640	-	28.9	-	-	-	-	-	-	-	-	-	14.5	
BH33M	BH33M	2004 04 07	3,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.71	
	BH33M	2004 09 18	1,780	11,100	-	-	-	-	-	-	3,270	-	30.7	-	-	-	-	-	-	-	-	7,960	16.8	
Federal Guideline																								
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	n/a	500	6.5 - 8.5	n/a	10,000	1,000	n/a	250	1,500	500	n/a	200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
FGQG Tier 2 Residential Land Use (RL) ^a			n/a	n/a	n/a	6.5 - 9.0	73 - 1,830 ^c	13,000	60	n/a	120	120	100	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
BC Standard																								
CSR Drinking Water (DW)			n/a	n/a	n/a	n/a	n/a	10,000	3,200	10,000	250	1,500	500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
CSR Aquatic Life (AW) ^b			n/a	n/a	n/a	n/a	1,310 - 18,500 ^d	400,000	2000	400,000	1,500	2,000 - 3,000 ^f	1,000	n/a	50	n/a	n/a	n/a	n/a	n/a	n/a	15,000	n/a	

Associated Maxxam file(s): B642466.

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

^a Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^b Standard to protect freshwater aquatic life.

^c Guideline varies with pH and temperature.

^d Standard varies with pH.

^e Standard varies with hardness.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
BOLD	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

TABLE 13 (Cont'd): Summary of Analytical Results for Dissolved Inorganics in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters			Dissolved Inorganics																		
			Hardness mg/L	Conductivity µS/cm	Total Dissolved Solids mg/L	pH pH	Ammonia Nitrogen µg/L	Nitrate Nitrogen µg/L	Nitrite Nitrogen µg/L	Nitrate+Nitrite Nitrogen µg/L	Chloride mg/L	Fluoride µg/L	Sulphate mg/L	Phosphate mg/L	Cyanide WAD µg/L	Total Alkalinity mg/L	Alkalinity, Bicarbonate mg/L	Alkalinity, Carbonate mg/L	Alkalinity, Hydroxide mg/L	Alkalinity, Phenolphthalein mg/L	Alkalinity pH 4.5 mg/L	Salinity mg/L	Sodium Adsorption Ratio None	
BH46M	BH46M	2006 08 18	1,560	-	-	-	-	-	-	-	1,100	-	29.2	-	-	-	-	-	-	-	-	-	1.13	
	BH46M(7th)	2008 10 09	1,610	-	-	-	-	-	-	-	1,120	-	22.6	-	-	-	-	-	-	-	-	-	2.01	
	GR121(BH46M)	Duplicate	1,600	-	-	-	-	-	-	-	1,110	-	22.8	-	-	-	-	-	-	-	-	-	1.98	
	QA/QC RPD%		*	-	-	-	-	-	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-	
	BH46M(9th)	2010 09 12	1,540	-	-	-	-	-	-	-	1,180	-	29.2	-	-	-	-	-	-	-	-	2,200	2.46	
	BH46M	2011 09 18	1,500	-	-	-	-	-	-	-	1,130	-	27	-	-	-	-	-	-	-	-	2,200	3.65	
	GR5	Duplicate	1,520	-	-	-	-	-	-	-	1,150	-	27	-	-	-	-	-	-	-	-	2,300	3.72	
	QA/QC RPD%		1	-	-	-	-	-	-	-	2	-	0	-	-	-	-	-	-	-	-	4	2	
	BH46M(Aug2012)	2012 08 13	1,450	5,510	2,380	7.59	-	10,700	< 5	10,700	1,240	-	22.6	-	-	-	475	< 1	-	-	-	475	2,610	3.8
	MW46M-W18	2013 08 04	940	2,930	-	7.74	-	-	-	-	770	90	64	-	-	339	413	< 1	< 1	-	-	-	3.34	
	BH46 M	2014 02 25	1,310	4,360	-	7.49	6.8	10,100	74.1	10,200	1,200	89	22.3	< 0.005	-	389	475	< 0.5	< 0.5	< 0.5	-	-	3.95	
	BH46M-140818	2014 08 18	-	-	-	-	-	-	-	-	1,000	-	31.8	-	-	366	446	< 0.5	< 0.5	< 0.5	-	-	-	
BH51M	BH51M	2006 08 18	489	-	-	-	-	-	-	< 1	-	188	-	-	-	-	-	-	-	-	-	-	0.083	
	GR61	Duplicate	489	-	-	-	-	-	-	< 1	-	190	-	-	-	-	-	-	-	-	-	-	0.112	
	QA/QC RPD%		0	-	-	-	-	-	-	-	*	-	1	-	-	-	-	-	-	-	-	-	*	
	BH51M(7th)	2008 10 09	523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.099	
	BH51M(9th)	2010 09 12	516	-	-	-	-	-	-	-	< 1.0	-	183	-	-	-	-	-	-	-	-	< 1,000	0.080	
	BH51M	2011 09 18	505	-	-	-	-	-	-	-	< 5	-	174	-	-	-	-	-	-	-	-	< 1,000	0.078	
	GR8-110918	Duplicate	506	-	-	-	-	-	-	-	< 5	-	170	-	-	-	-	-	-	-	-	< 1,000	0.083	
	QA/QC RPD%		0	-	-	-	-	-	-	-	*	-	2	-	-	-	-	-	-	-	-	-	*	
	BH51M(Aug2012)	2012 08 14	485	865	521	7.84	-	< 5	< 5	< 10	0.81	-	166	-	-	-	298	< 1	-	-	-	298	374	0.086
	MW51M-W18	2013 08 01	458	851	-	7.93	-	-	-	-	1.6	230	179	-	-	311	379	< 1	< 1	-	-	-	0.094	
	BH51M	2015 10 08	494	802	-	8.19	215	-	-	-	2.6	200	150	-	-	290	354	< 0.5	< 0.5	< 0.5	-	-	0.095	
	BH55M	BH55M	2006 08 18	518	-	-	-	-	-	-	456	-	142	-	-	-	-	-	-	-	-	-	-	4.5
BH55Ma(7th)		2008 10 09	-	-	-	-	-	-	-	< 2	-	241	-	-	-	-	-	-	-	-	-	-	1.2	
BH55Mb(7th)		2008 10 09	-	-	-	-	-	-	-	45	-	181	-	-	-	-	-	-	-	-	-	-	-	
BH55M(9th)		2010 09 12	310	-	-	-	-	-	-	141	-	185	-	-	-	-	-	-	-	-	-	< 1,000	5.1	
BH55M		2011 09 18	322	-	-	-	-	-	-	113	-	176	-	-	-	-	-	-	-	-	-	< 1,000	4.8	
BH55M(Aug2012)		2012 08 13	474	2,650	1,220	7.79	-	3,160	< 5	3,160	432	-	155	-	-	-	347	< 1	-	-	-	347	1,200	5.1
MW55M-W18		2013 08 01	261	1,690	-	8.14	-	-	-	-	200	360	134	-	-	376	459	< 1	< 1	-	-	-	7.2	
BH55M-140818		2014 08 18	-	-	-	-	-	-	-	100	-	173	-	-	259	316	< 0.5	< 0.5	< 0.5	-	-	-	-	
BH55M		2015 10 08	478	991	-	8.12	9.8	-	-	-	40	220	163	-	-	260	317	< 0.5	< 0.5	< 0.5	-	-	0.826	
BH56M(Aug2012)		2012 08 14	847	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.6	
2460-Dup1(Aug2012)		Duplicate	856	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.5	
QA/QC RPD%		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1		
MW56M-W18	2013 08 04	723	-	-	-	-	-	-	-	660	-	14.1	-	-	443	541	< 0.5	< 0.5	< 0.5	-	-	17.5		
BH57M	BH57M-140824	2014 08 24	-	-	-	-	-	-	-	1,000	-	9.02	-	-	552	674	< 0.5	< 0.5	< 0.5	-	-	-		
BH59M	BH59M(Aug2012)	2012 08 14	348	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.5		
	MW59M-W18	2013 08 04	146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.60		
	BH59M-140820	2014 08 20	-	-	-	-	-	-	-	650	-	9.37	-	-	311	380	< 0.5	< 0.5	< 0.5	-	-	-		
	BH59M	2015 10 08	386	2,420	-	7.98	8	-	-	-	510	150	13.2	-	-	404	492	< 0.5	< 0.5	< 0.5	-	-	8.67	
BH60M	BH60M(Aug2012)	2012 08 15	741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.2		
	MW60M-W18	2013 08 04	762	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.7		
	BH60M-140818	2014 08 18	-	-	-	-	-	-	-	-	1,800	-	48.2	-	-	522	637	< 0.5	< 0.5	< 0.5	-	-	-	
Federal Guideline																								
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	n/a	500	6.5 - 8.5	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
FGQG Tier 2 Residential Land Use (RL) ^a			n/a	n/a	n/a	6.5 - 9.0	73 - 1,830 ^c	13,000	60	n/a	120	120	100	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
BC Standard																								
CSR Drinking Water (DW)			n/a	n/a	n/a	n/a	n/a	10,000	3,200	10,000	250	1,500	500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
CSR Aquatic Life (AW) ^b			n/a	n/a	n/a	n/a	1,310 - 18,500 ^d	400,000	2000	400,000	1,500	2,000 - 3,000 ^f	1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	15,000	n/a	

Associated Maxxam file(s): B642466.

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- Denotes analysis not conducted.

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SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
BOLD	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
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TABLE 13 (Cont'd): Summary of Analytical Results for Dissolved Inorganics in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters			Dissolved Inorganics																	
			Hardness mg/L	Conductivity µS/cm	Total Dissolved Solids mg/L	pH pH	Ammonia Nitrogen µg/L	Nitrate Nitrogen µg/L	Nitrite Nitrogen µg/L	Nitrate+Nitrite Nitrogen µg/L	Chloride mg/L	Fluoride µg/L	Sulphate mg/L	Phosphate mg/L	Cyanide WAD µg/L	Total Alkalinity mg/L	Alkalinity, Bicarbonate mg/L	Alkalinity, Carbonate mg/L	Alkalinity, Hydroxide mg/L	Alkalinity, Phenolphthalein mg/L	Alkalinity pH 4.5 mg/L	Salinity mg/L	Sodium Adsorption Ratio None
BH61M	BH61M(9th)	2010 09 12	1,440	-	-	-	-	-	-	-	2,700	-	23.3	-	-	-	-	-	-	-	-	4,500	16.0
	BH61M	2011 09 18	1,450	-	-	-	-	-	-	-	2,600	-	< 25	-	-	-	-	-	-	-	-	5,000	17.1
	GR7	Duplicate	1,450	-	-	-	-	-	-	-	2,680	-	< 25	-	-	-	-	-	-	-	-	5,000	17.5
	QA/QC RPD%		0	-	-	-	-	-	-	-	3	-	*	-	-	-	-	-	-	-	-	0	2
	BH61M(Aug2012)	2012 08 15	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.8
	2460-DUP 3(Aug2012)	Duplicate	785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.9
	QA/QC RPD%		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1
	MW61M-W18	2013 08 06	839	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3
	MW13-J-W18	Duplicate	845	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.5
	QA/QC RPD%		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	BH61M-140818	2014 08 18	835	-	-	-	-	-	-	-	2,500	-	24.3	-	-	481	587	< 0.5	< 0.5	< 0.5	-	-	18.9
BH62M	BH62M(9th)	2010 09 12	1,180	-	-	-	-	-	-	-	3,930	-	23.4	-	-	-	-	-	-	-	-	6,400	26.1
	BH62M	2011 09 18	907	-	-	-	-	-	-	-	2,810	-	31	-	-	-	-	-	-	-	-	5,300	24.8
	BH62M(Aug2012)	2012 08 15	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.6
	BH62 M	2014 02 25	341	-	-	-	-	-	-	-	1,300	-	-	-	-	-	-	-	-	-	-	-	19.7
	BH62M	2015 10 08	578	6,760	-	7.73	9.1	-	-	-	2,100	46	25.8	-	-	496	605	< 0.5	< 0.5	< 0.5	-	-	19.7
BH63M	BH63M(9th)	2010 09 12	3,220	-	-	-	-	-	-	-	6,240	-	17.1	-	-	-	-	-	-	-	-	10,000	19.8
	BH63M	2011 09 18	3,300	-	-	-	-	-	-	-	6,160	-	< 50	-	-	-	-	-	-	-	-	10,900	21.9
	BH63M(Aug2012)	2012 08 14	2,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.7
	MW63M-W18	2013 08 04	2,350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.3
	BH63M-140821	2014 08 21	1,650	-	-	-	-	-	-	-	5,500	-	25.2	-	-	492	601	< 0.5	< 0.5	< 0.5	-	-	28.5
	MW14-F-140821	Duplicate	1,680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.8
	QA/QC RPD%		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	BH63M-160530	2016 05 30	-	13,000	7,580	-	-	-	-	-	4,300	-	27.8	-	-	-	-	-	-	-	-	-	22.1
BH64M	BH64M(9th)	2010 09 12	490	-	-	-	-	-	-	-	2,940	-	30.2	-	-	-	-	-	-	-	-	5,400	37.4
	BH64M	2011 09 18	794	-	-	-	-	-	-	-	3,660	-	33	-	-	-	-	-	-	-	-	6,600	34.5
	BH64M(Aug2012)	2012 08 14	604	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.5
	MW64M-W18	2013 08 04	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.7
	BH64M-140821	2014 08 21	702	-	-	-	-	-	-	-	3,200	-	29.4	-	-	647	790	< 0.5	< 0.5	< 0.5	-	-	34.1
	BH64M	2015 10 06	667	9,460	-	7.55	30	1,840	20	1,860	3,100	56	31.8	0.0085	-	584	712	< 0.5	< 0.5	< 0.5	-	-	33.1
	DUP 1	Duplicate	656	9,480	-	7.56	26	1,820	19.6	1,840	3,000	57	32.5	0.008	-	575	702	< 0.5	< 0.5	< 0.5	-	-	32.0
	QA/QC RPD%		2	0	-	0	14	1	2	1	3	2	2	*	-	2	1	*	*	*	-	-	3
BH65M	BH65M(9th)	2010 09 12	1,020	-	-	-	-	-	-	-	4,420	-	31.6	-	-	-	-	-	-	-	-	7,500	36.5
	BH65M	2011 09 18	777	-	-	-	-	-	-	-	3,200	-	32	-	-	-	-	-	-	-	-	6,700	35.6
	BH65M(Aug2012)	2012 08 14	666	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.2
	MW65M-W18	2013 08 04	470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.0
	BH65M-140824	2014 08 24	738	-	-	-	-	-	-	-	3,600	-	26.7	-	-	553	675	< 0.5	< 0.5	< 0.5	-	-	31.5
	BH65M	2015 10 08	726	9,380	-	7.7	6.1	-	-	-	3,000	61	36.5	-	-	543	662	< 0.5	< 0.5	< 0.5	-	-	26.8
BH69M	BH69M(9th)	2010 09 12	1,860	-	-	-	-	-	-	-	4,910	-	27.5	-	-	-	-	-	-	-	-	8,100	24.7
	BH69M	2011 09 18	992	-	-	-	-	-	-	-	3,590	-	< 25	-	-	-	-	-	-	-	-	6,700	28.8
	BH69M(Aug2012)	2012 08 15	610	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.3
	MW69M-W18	2013 08 04	689	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.3
BH70M	BH70M(9th)	2010 09 12	1,230	-	-	-	-	-	-	-	5,570	-	25.4	-	-	-	-	-	-	-	-	9,100	36.3
	BH70M	2011 09 18	344	-	-	-	-	-	-	-	2,000	-	< 25	-	-	-	-	-	-	-	-	4,000	33.3
	BH70M(Aug2012)	2012 08 15	369	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.1
	MW70M-W18	2013 08 04	172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.2
	BH70M	2015 10 08	588	7,100	-	7.78	12.3	-	-	-	2,100	42	24.6	-	-	483	590	< 0.5	< 0.5	< 0.5	-	-	21.7
Federal Guideline																							
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	n/a	500	6.5 - 8.5	n/a	10,000	1,000	n/a	250	1,500	500	n/a	200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
FGQG Tier 2 Residential Land Use (RL) ^a			n/a	n/a	n/a	6.5 - 9.0	73 - 1,830 ^c	13,000	60	n/a	120	120	100	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BC Standard																							
CSR Drinking Water (DW)			n/a	n/a	n/a	n/a	n/a	10,000	3,200	10,000	250	1,500	500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Aquatic Life (AW) ^b			n/a	n/a	n/a	n/a	1,310 - 18,500 ^d	400,000	2000	400,000	1,500	2,000 - 3,000 ^f	1,000	n/a	50	n/a	n/a	n/a	n/a	n/a	n/a	15,000	n/a

Associated Maxxam file(s): B642466.

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

^a Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^b Standard to protect freshwater aquatic life.

^c Guideline varies with pH and temperature.

^d Standard varies with pH.

^e Standard varies with hardness.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
BOLD	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

TABLE 13 (Cont'd): Summary of Analytical Results for Dissolved Inorganics in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters			Dissolved Inorganics																	
			Hardness mg/L	Conductivity µS/cm	Total Dissolved Solids mg/L	pH pH	Ammonia Nitrogen µg/L	Nitrate Nitrogen µg/L	Nitrite Nitrogen µg/L	Nitrate+Nitrite Nitrogen µg/L	Chloride mg/L	Fluoride µg/L	Sulphate mg/L	Phosphate mg/L	Cyanide WAD µg/L	Total Alkalinity mg/L	Alkalinity, Bicarbonate mg/L	Alkalinity, Carbonate mg/L	Alkalinity, Hydroxide mg/L	Alkalinity, Phenolphthalein mg/L	Alkalinity pH 4.5 mg/L	Salinity mg/L	Sodium Adsorption Ratio None
BH71M	BH71M(9th)	2010 09 12	1,420	-	-	-	-	-	-	-	3,360	-	33	-	-	-	-	-	-	-	-	5,700	18.9
	BH71M	2011 09 18	761	-	-	-	-	-	-	-	2,440	-	36	-	-	-	-	-	-	-	-	4,800	24.0
	BH71M(Aug2012)	2012 08 14	689	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.2
	MW71M-W18	2013 08 06	386	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.5
	BH71M-140818	2014 08 18	-	-	-	-	-	-	-	-	1,800	-	42.9	-	-	578	705	< 0.5	< 0.5	< 0.5	-	-	-
BH72M	BH71M	2015 10 08	478	6,240	-	7.87	< 5	-	-	-	1,800	37	36.9	-	-	633	773	< 0.5	< 0.5	< 0.5	-	-	21.1
	BH72M(9th)	2010 09 12	902	-	-	-	-	-	-	-	945	-	25.7	-	-	-	-	-	-	-	-	2,000	5.566104825
	BH72M	2011 09 18	631	-	-	-	-	-	-	-	674	-	29	-	-	-	-	-	-	-	-	1,600	6.98515551
BH73M	BH72M(Aug2012)	2012 08 14	860	3,910	2,110	7.59	-	6,070	< 5	6,070	927	-	37.8	-	-	556	< 1	-	-	-	556	1,820	7.42
	BH73M(9th)	2010 09 12	1,830	-	-	-	-	-	-	-	7,770	-	29.3	-	-	-	-	-	-	-	-	13,000	46.2
	BH73M	2011 09 18	1,740	-	-	-	-	-	-	-	7,570	-	< 50	-	-	-	-	-	-	-	-	13,400	45.4
	BH73M(Aug2012)	2012 08 15	2,160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.0
	MW73M-W18	2013 08 06	2,770	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.5
BH74M	BH73M-160530	2016 05 30	-	15,900	9,460	-	-	-	-	-	5,500	-	23.6	-	0.84	-	-	-	-	-	-	-	22.6
	BH74M(9th)	2010 09 12	814	-	-	-	-	-	-	-	4,410	-	47.5	-	-	-	-	-	-	-	-	7,300	39.4
	BH74M	2011 09 18	801	-	-	-	-	-	-	-	3,120	-	30	-	-	-	-	-	-	-	-	6,000	30.6
	BH74M(Aug2012)	2012 08 15	470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.3
	MW74M-W18	2013 08 06	634	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.6
BH76M	BH74M-140821	2014 08 20	-	-	-	-	-	-	-	-	1,900	-	28.5	-	-	594	725	< 0.5	< 0.5	< 0.5	-	-	-
	BH76M	2011 09 18	685	-	-	-	-	-	-	-	2,020	-	96	-	-	-	-	-	-	-	-	4,800	25.8
	MW76M-W18	2013 08 04	544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.9
BH78M	BH76M-140819	2014 08 19	-	-	-	-	-	-	-	-	1,600	-	107	-	-	999	1,220	< 0.5	< 0.5	< 0.5	-	-	-
	BH78M(Aug2012)	2012 08 15	1,830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.3
	MW78M-W18	2013 08 04	1,470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66.4
BH80M	BH78M-140820	2014 08 20	-	-	-	-	-	-	-	-	13,000	-	80.6	-	-	874	1,070	< 0.5	< 0.5	< 0.5	-	-	-
	BH80M	2011 09 18	506	-	-	-	-	-	-	-	7,230	-	80	-	-	-	-	-	-	-	-	13,600	95.3
	BH80M(Aug2012)	2012 08 14	533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.0
	MW80M-W18	2013 08 04	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.4
	BH80M-140820	2014 08 20	-	-	-	-	-	-	-	-	5,700	-	78.9	-	-	777	948	< 0.5	< 0.5	< 0.5	-	-	-
	MW14-A-140820	Duplicate	-	-	-	-	-	-	-	-	6,300	-	81.3	-	-	798	974	< 0.5	< 0.5	< 0.5	-	-	-
	QA/QC RPD%		-	-	-	-	-	-	-	-	10	-	3	-	-	3	3	*	*	*	-	-	-
BH81M	BH80M	2015 10 06	397	10,900	-	8	62	9,320	< 5	9,320	3,600	360	46.4	0.0139	-	705	860	< 0.5	< 0.5	< 0.5	-	-	49.8
	BH81M	2011 09 18	3,540	-	-	-	-	-	-	-	33,200	-	140	-	-	-	-	-	-	-	-	58,400	161
	BH81M(Aug2012)	2012 08 15	1,460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.4
	MW81M-W18	2013 08 06	2,230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125
	BH81M-140821	2014 08 21	-	-	-	-	-	-	-	-	24,000	-	142	-	-	529	645	< 0.5	< 0.5	< 0.5	-	-	-
	BH81M	2015 10 08	2,130	52,900	-	7.53	56.6	-	-	-	17,000	100	138	-	-	522	637	< 0.5	< 0.5	< 0.5	-	-	121
BH83M	BH81M-160530	2016 05 30	-	31,300	15,500	-	-	-	-	-	12,000	-	101	-	1.18	-	-	-	-	-	-	-	90.6
	BH83M(Aug2012)	2012 08 14	1,210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.36
	2460-Dup2(Aug2012)	Duplicate	1,210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.46
	QA/QC RPD%		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	MW83M-W18	2013 08 04	1,310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.56
	MW13-H-W18	Duplicate	1,350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.51
	QA/QC RPD%		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	BH83M-140820	2014 08 20	-	-	-	-	-	-	-	-	910	-	20.3	-	-	402	491	< 0.5	< 0.5	< 0.5	-	-	-
BH83M	2015 10 06	911	2,950	-	7.6	18.1	704	< 5	704	670	490	21.2	0.0055	-	436	532	< 0.5	< 0.5	< 0.5	-	-	4.89	
Federal Guideline																							
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	n/a	500	6.5 - 8.5	n/a	10,000	1,000	n/a	250	1,500	500	n/a	200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
FGQG Tier 2 Residential Land Use (RL) ^a			n/a	n/a	n/a	6.5 - 9.0	73 - 1,830 ^c	13,000	60	n/a	120	120	100	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BC Standard																							
CSR Drinking Water (DW)			n/a	n/a	n/a	n/a	n/a	10,000	3,200	10,000	250	1,500	500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Aquatic Life (AW) ^b			n/a	n/a	n/a	n/a	1,310 - 18,500 ^d	400,000	2000	400,000	1,500	2,000 - 3,000 ^f	1,000	n/a	50	n/a	n/a	n/a	n/a	n/a	n/a	15,000	n/a

Associated Maxxam file(s): B642466.

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^b Standard to protect freshwater aquatic life.

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^d Standard varies with pH.

^e Standard varies with hardness.

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BOLD	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

TABLE 13 (Cont'd): Summary of Analytical Results for Dissolved Inorganics in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters			Dissolved Inorganics																	
			Hardness mg/L	Conductivity µS/cm	Total Dissolved Solids mg/L	pH pH	Ammonia Nitrogen µg/L	Nitrate Nitrogen µg/L	Nitrite Nitrogen µg/L	Nitrate+Nitrite Nitrogen µg/L	Chloride mg/L	Fluoride µg/L	Sulphate mg/L	Phosphate mg/L	Cyanide WAD µg/L	Total Alkalinity mg/L	Alkalinity, Bicarbonate mg/L	Alkalinity, Carbonate mg/L	Alkalinity, Hydroxide mg/L	Alkalinity, Phenolphthalein mg/L	Alkalinity pH 4.5 mg/L	Salinity mg/L	Sodium Adsorption Ratio None
BH84M	BH84M(Aug2012)	2012 08 14	819	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.32
	MW84M-W18	2013 08 04	589	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60
	BH84M-140822	2014 08 22	-	-	-	-	-	-	-	-	340	-	26.3	-	-	398	486	< 0.5	< 0.5	< 0.5	-	-	-
	BH84M	2015 10 06	334	1,320	-	8.25	74	241	< 5	241	140	300	13.4	0.0149	-	480	586	< 0.5	< 0.5	< 0.5	-	-	5.18
BH85M	BH85M(Aug2012)	2012 08 14	729	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.6
	MW85M-W18	2013 08 04	422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.9
	BH85M-140820	2014 08 20	-	-	-	-	-	-	-	-	500	-	16.5	-	-	529	645	< 0.5	< 0.5	< 0.5	-	-	-
	BH85M	2015 10 06	369	2,110	-	7.98	14.7	280	< 5	280	340	480	13.3	0.0072	-	489	597	< 0.5	< 0.5	< 0.5	-	-	7.71
BH86M	BH86M	2015 10 08	-	825	-	8	63.5	-	-	-	18	430	12.6	-	-	427	520	< 0.5	< 0.5	< 0.5	-	-	-
BH87M	BH87M(Aug2012)	2012 08 14	509	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.296
	MW87M-W18	2013 08 04	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.116
	MW13-I-W18	Duplicate	494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.111
	QA/QC RPD%		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
BH88M	BH87M	2015 10 06	546	832	-	7.91	18.1	381	10.4	391	18	500	7.81	0.0074	-	428	522	< 0.5	< 0.5	< 0.5	-	-	0.063
	BH88M(Aug2012)	2012 08 15	517	886	521	7.75	-	-	-	-	16.3	-	87.1	-	-	-	377	< 1	-	-	377	383	0.151
	MW88M-W18	2013 08 04	415	707	-	7.86	-	-	-	-	17	640	11	-	-	377	460	< 1	< 1	-	-	-	0.064
	MW13-89-W18	2013 10 07	430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.5
BH13-89	BH13-89-140825	2014 08 25	-	-	-	-	-	-	-	-	3,900	-	35.5	-	-	436	531	< 0.5	< 0.5	< 0.5	-	-	-
	MW13-90-W18	2013 10 07	982	-	-	-	-	-	-	-	1,600	-	-	-	-	-	-	-	-	-	-	-	50.5
	MW13-K-W18	Duplicate	987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.3
	QA/QC RPD%		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1
BH13-90	BH13-90-140821	2014 08 21	-	-	-	-	-	-	-	-	7,900	-	68.1	-	-	678	827	< 0.5	< 0.5	< 0.5	-	-	-
	MW13-91-W18	2013 10 07	1,220	-	-	-	-	-	-	-	4,100	-	-	-	-	-	-	-	-	-	-	-	29.3
	BH13-91-140821	2014 08 21	-	-	-	-	-	-	-	-	8,300	-	118	-	-	777	948	< 0.5	< 0.5	< 0.5	-	-	-
	MW14-B-140821	Duplicate	-	-	-	-	-	-	-	-	8,100	-	120	-	-	794	969	< 0.5	< 0.5	< 0.5	-	-	-
BH13-91	QA/QC RPD%		-	-	-	-	-	-	-	-	2	-	2	-	-	2	2	*	*	*	-	-	-
	BH13-92-W18	2013 12 01	815	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.4
	BH13-92-140823	2014 08 23	-	-	-	-	-	-	-	-	3,400	-	24.6	-	-	476	581	< 0.5	< 0.5	< 0.5	-	-	-
	BH92M	2015 10 08	633	8,560	-	7.76	< 5	-	-	-	2,500	56	25.2	-	-	572	698	< 0.5	< 0.5	< 0.5	-	-	26.9
BH13-92	DUP2	Duplicate	635	8,460	-	7.76	< 5	-	-	-	2,500	54	26	-	-	568	693	< 0.5	< 0.5	< 0.5	-	-	27.7
	QA/QC RPD%		0	1	-	*	*	-	-	-	0	4	3	-	-	1	1	*	*	*	-	-	3
	BH13-93-W18	2013 11 30	667	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.6
	BH13-93-140823	2014 08 23	-	-	-	-	-	-	-	-	4,400	-	34.4	-	-	597	728	< 0.5	< 0.5	< 0.5	-	-	-
BH13-94	BH13-94-W18	2013 11 30	1,390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.5
BH13-95	BH13-95-W18	2013 11 30	760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.7
	BH13-T-W18	Duplicate	763	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.7
	QA/QC RPD%		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	BH13-95-140824	2014 08 24	-	-	-	-	-	-	-	-	2,500	-	26.7	-	-	494	602	< 0.5	< 0.5	< 0.5	-	-	-
BH14-96M	BH96 M	2014 02 24	722	-	-	-	-	-	-	-	5,400	-	-	-	-	-	-	-	-	-	-	-	43.8
BH14-97M	BH97 M	2014 02 24	1,190	-	-	-	-	-	-	-	5,900	-	-	-	-	-	-	-	-	-	-	-	32.1
BH14-98M	BH98 M	2014 02 24	1,390	-	-	-	-	-	-	-	8,800	-	-	-	-	-	-	-	-	-	-	-	51.9
	DUP 1	Duplicate	1,410	-	-	-	-	-	-	-	8,500	-	-	-	-	-	-	-	-	-	-	-	52.5
	QA/QC RPD%		1	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1
BH14-99M	BH99 M	2014 02 24	902	-	-	-	-	-	-	-	4,300	-	-	-	-	-	-	-	-	-	-	-	36.3
BH14-100M	BH100 M	2014 02 25	683	-	-	-	-	-	-	-	2,400	-	-	-	-	-	-	-	-	-	-	-	23.2
BH14-103M	BH103 M	2014 02 25	3,080	-	-	-	-	-	-	-	37,000	-	-	-	-	-	-	-	-	-	-	-	153
	BH103M	2015 10 08	2,860	76,900	-	7.48	181	-	-	-	30,000	40	173	-	-	391	477	< 0.5	< 0.5	< 0.5	-	-	156
Federal Guideline																							
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	n/a	500	6.5 - 8.5	n/a	10,000	1,000	n/a	250	1,500	500	n/a	200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
FGQG Tier 2 Residential Land Use (RL) ^a			n/a	n/a	n/a	6.5 - 9.0	73 - 1,830 ^c	13,000	60	n/a	120	120	100	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BC Standard																							
CSR Drinking Water (DW)			n/a	n/a	n/a	n/a	n/a	10,000	3,200	10,000	250	1,500	500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Aquatic Life (AW) ^b			n/a	n/a	n/a	n/a	1,310 - 18,500 ^d	400,000	2000	400,000	1,500	2,000 - 3,000 ^f	1,000	n/a	50	n/a	n/a	n/a	n/a	n/a	n/a	15,000	n/a

Associated Maxxam file(s): B642466.

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- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

^a Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^b Standard to protect freshwater aquatic life.

^c Guideline varies with pH and temperature.

^d Standard varies with pH.

^e Standard varies with hardness.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
BOLD	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

TABLE 13 (Cont'd): Summary of Analytical Results for Dissolved Inorganics in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters			Dissolved Inorganics																	
			Hardness mg/L	Conductivity µS/cm	Total Dissolved Solids mg/L	pH pH	Ammonia Nitrogen µg/L	Nitrate Nitrogen µg/L	Nitrite Nitrogen µg/L	Nitrate+Nitrite Nitrogen µg/L	Chloride mg/L	Fluoride µg/L	Sulphate mg/L	Phosphate mg/L	Cyanide WAD µg/L	Total Alkalinity mg/L	Alkalinity, Bicarbonate mg/L	Alkalinity, Carbonate mg/L	Alkalinity, Hydroxide mg/L	Alkalinity, Phenolphthalein mg/L	Alkalinity pH 4.5 mg/L	Salinity mg/L	Sodium Adsorption Ratio None
DW14-TAP	DW14-TAP-140822	2014 08 22	424	-	-	-	-	-	-	-	94	-	178	-	-	283	336	4.48	< 0.5	3.73	-	-	2.59
	TAP	2015 10 08	4.59	1,740	-	8.55	16.8	-	-	-	200	410	193	-	-	303	354	7.48	< 0.5	6.23	-	-	-
Tap 5	Tap5	2006 08 20	476	-	-	-	-	-	-	-	32.9	-	204	-	-	-	-	-	-	-	-	-	0.384
	2460-TAP(Aug2012)	2012 08 14	528	947	600	7.92	-	81	< 5	80	8.75	-	222	-	-	-	277	< 1	-	-	277	410	0.284
Well	T3-TAP-W18	2013 08 06	563	952	-	8.17	-	-	-	-	22	440	234	-	-	272	332	< 1	< 1	-	-	-	0.212
	Well	2004 04 07	475	-	-	-	-	-	-	-	31.7	-	-	-	-	-	-	-	-	-	-	-	-
	WELL	2004 09 30	685	921	-	-	-	-	-	-	6.7	-	224	-	-	-	-	-	-	-	-	570	-
	Well	2005 11 04	461	-	-	-	-	-	-	-	21.2	-	237	-	-	-	-	-	-	-	-	-	0.188
	Well	2006 08 20	496	-	-	-	-	-	-	-	29.6	-	209	-	-	-	-	-	-	-	-	-	0.286
	Well(7th)	2008 10 09	-	-	-	-	-	-	-	-	5.97	-	218	-	-	-	-	-	-	-	-	-	0.154
	WELL(9th)	2010 09 12	557	-	-	-	-	-	-	-	25.5	-	237	-	-	-	-	-	-	-	-	< 1,000	0.296
	WELL	2011 09 18	118	-	-	-	-	-	-	-	10.9	-	243	-	-	-	-	-	-	-	-	< 1,000	8.67
Federal Guideline																							
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	n/a	500	6.5 - 8.5	n/a	10,000	1,000	n/a	250	1,500	500	n/a	200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
FGQG Tier 2 Residential Land Use (RL) ^a			n/a	n/a	n/a	6.5 - 9.0	73 - 1,830 ^c	13,000	60	n/a	120	120	100	n/a	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BC Standard																							
CSR Drinking Water (DW)			n/a	n/a	n/a	n/a	n/a	10,000	3,200	10,000	250	1,500	500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CSR Aquatic Life (AW) ^b			n/a	n/a	n/a	n/a	1,310 - 18,500 ^d	400,000	2000	400,000	1,500	2,000 - 3,000 ^f	1,000	n/a	50	n/a	n/a	n/a	n/a	n/a	n/a	15,000	n/a

Associated Maxxam file(s): B642466.

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- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

^a Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^b Standard to protect freshwater aquatic life.

^c Guideline varies with pH and temperature.

^d Standard varies with pH.

^e Standard varies with hardness.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
<u>BOLD</u>	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

TABLE 14: Summary of Analytical Results for Dissolved Metals in Groundwater

[illegible]

Associated Maxxam file(s): B642466.

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

SHADED Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline

BOLD Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline

OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
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SHADOW	Concentration greater than CSR Aquatic Life (AW) standard
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^a Laboratory detection limit exceeds regulatory standard/guideline.

^b Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^c Standard to protect freshwater aquatic life.

^d Guideline is pH dependent; based on available data, site pH is > 6.5.

^a There is no Cadmium standard specified for $H \geq 210$; therefore, the standard for $H=150-210$ is applied as a conservative comparison.

¹ There is no Zinc standard specified for $H \geq 400$; therefore, the standard for $H=300-400$ is applied as a conservative comparison

TABLE 14 (Cont'd): Summary of Analytical Results for Dissolved Metals in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical	Geochemical Indicators							Dissolved Metals																						
			Hardness mg/L	Aluminum µg/L	Calcium mg/L	Iron µg/L	Magnesium mg/L	Manganese µg/L	Potassium mg/L	Sodium mg/L	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Boron µg/L	Cadmium µg/L	Chromium µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Lithium µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Strontium µg/L	Thallium µg/L	Tin µg/L	Titanium µg/L	Uranium µg/L	Vanadium µg/L	Zinc µg/L
BH46M (Cont'd)	MW46M-W18	2013 08 04	940	8.4	263	< 10	69.1	2.4	12.2	236	-	0.11	427	< 0.2	< 100	0.028	< 2	< 1	0.83	< 0.4	-	< 0.1 ^a	< 2	< 2	1.07	< 0.04	613	0.076	< 10	< 10	2.22	< 10	< 10
	BH46M-140818	2014 08 18	-	-	-	-	-	-	-	417	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH51M	BH51M	2006 08 18	489	68	127	4,040	35.6	100	0.9	4.1	< 1	6	85	< 1	< 50	< 0.2 ^a	< 1	< 1	< 1	< 1	25	< 20 ^a	3.5	< 1	< 1	< 0.25 ^a	440	< 0.1	< 1	< 1	3.4	< 1	< 5
	GR61	Duplicate	489	12	122	3,980	33.6	100	1.1	5.44	< 1	7	82	< 1	< 50	< 0.2 ^a	< 1	< 1	3	< 1	28	< 20 ^a	3.4	1	< 1	< 0.25 ^a	440	< 0.1	< 1	< 1	3.5	< 1	11
	QA/QC RPD%		0	140	4	1	6	0	20	28	*	15	4	*	*	*	*	*	*	*	11	*	*	*	*	*	0	*	*	*	3	*	*
	BH51M(7th)	2008 10 09	523	65	140	3,150	41.7	100	1.2	5.19	< 1	4	58	< 1	< 50	< 0.2 ^a	< 1	< 2	2	< 2	26	< 0.02	4.2	2	1	< 0.5 ^a	430	< 0.2	< 2	< 1	4.1	< 2	10
	BH51M(9th)	2010 09 12	516	1.3	142	3,370	39	111	< 2.0	4.2	< 0.100	4.38	61	< 0.500	< 100	< 0.0100	< 0.100	0.32	0.15	< 0.0500	20.7	< 0.0100	4	1.11	< 0.100	< 0.0100	404	< 0.100	< 0.100	< 10	3.68	< 1.0	1.4
	BH51M	2011 09 18	505	< 3.0	137	3,260	35.7	106	1.01	3.98	< 0.1	3.89	55.7	< 0.1	26	< 0.01	< 0.1	0.3	< 0.5	< 0.05	25.5	< 0.01	4.15	0.93	< 0.1	< 0.01	422	< 0.01	< 0.1	< 10	3.79	< 1.0	< 3
	GR8-110918	Duplicate	506	< 3.0	135	3,360	37	108	1.1	4.24	< 0.1	4.05	58.5	< 0.1	25	< 0.01	< 0.1	0.35	0.62	< 0.05	20.9	< 0.01	4.26	1.24	< 0.1	< 0.01	428	< 0.01	< 0.1	< 10	3.82	< 1.0	13.2
	QA/QC RPD%		0	*	1	3	4	2	9	6	*	4	5	*	*	*	*	*	*	*	20	*	*	*	*	*	1	*	*	*	1	*	*
	BH51M(Aug2012)	2012 08 14	485	< 10	133	3,580	37.1	108	1.05	4.35	< 0.5	4	57.7	< 0.1	< 10	< 0.1 ^a	< 5	< 0.5	< 2	< 0.1	22	< 0.003	3.7	1	2	< 0.1	-	< 0.02	-	180	3.6	< 1	26
	MW51M-W18	2013 08 01	458	3.9	120	3,540	38.3	108	1.08	4.64	-	4.83	61.7	< 0.2	< 100	< 0.02 ^a	< 2	< 1	0.22	< 0.4	-	< 0.02	4.2	1.5	< 0.2	< 0.04	403	< 0.1	< 10	< 10	3.77	< 10	< 10
	BH51M	2015 10 08	494	4	140	2,180	34.9	112	1.27	4.85	< 0.5	2.61	71.5	< 0.1	< 50	< 0.01	< 1	< 0.5	< 0.2	< 0.2	25.4	< 0.01	3.6	1.1	< 0.1	< 0.02	410	< 0.05	< 5	< 5	3.45	< 5	< 5
BH55M	BH55M	2006 08 18	518	30	119	< 50	31.9	22	2	214	< 1	< 1	130	< 1	50	< 0.2 ^a	< 1	< 1	3	< 1	28	< 20 ^a	1.9	2	< 1	< 0.25 ^a	450	< 0.1	< 1	< 1	2.3	< 1	12
	BH55M(7th)	2008 10 09	458	9	128	< 100	33.3	< 1	4.7	59.2	< 1	< 1	77	< 1	< 50	< 0.2 ^a	< 1	< 2	2	< 2	11	< 0.02	1.2	< 1	1	< 0.5 ^a	290	< 0.2	< 2	< 1	2.6	< 2	7
	BH55M(9th)	2010 09 12	310	2.9	94.2	< 30	18.3	0.779	2.2	208	< 0.100	< 0.100	62	< 0.500	< 100	0.158	0.12	0.1	1.21	< 0.0500	14.6	< 0.0100	2.28	1.32	0.13	< 0.0100	253	< 0.100	< 0.100	< 10	2.12	< 1.0	2.9
	BH55M	2011 09 18	322	3.7	92.4	< 10	19.8	1.16	4.2	195	< 0.1	0.1	74.2	< 0.1	42	0.012	< 0.1	0.13	1	< 0.05	16.3	< 0.01	1.98	0.75	0.15	< 0.01	268	< 0.01	< 0.1	< 10	2.14	< 1.0	4.8
	BH55M(Aug2012)	2012 08 13	474	< 1	129	< 10	36.8	< 1	2.11	255	0.07	0.1	134	< 0.01	44	0.03	< 0.5	0.08	0.9	< 0.01	27	0.007	2.42	0.7	0.3	< 0.01	-	< 0.002	-	194	2.37	< 0.1	4
	MW55M-W18	2013 08 01	261	4.4	76.6	8.3	17	< 2	4.35	269	-	0.18	71	< 0.2	64	0.018	< 2	< 1	1.3	< 0.4	-	< 0.02	3.5	3.4	0.16	< 0.04	218	< 0.1	< 10	< 10	1.91	< 10	7
	BH55M-140818	2014 08 18	-	-	-	-	-	-	-	81.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH55M	2015 10 08	478	18.5	135	28.4	34.6	< 1	3.22	41.7	< 0.5	< 0.1	74.9	< 0.1	< 50	< 0.01	< 1	< 0.5	0.55	< 0.2	17.3	< 0.01	1.4	< 1	0.1	< 0.02	329	< 0.05	< 5	< 5	2.71	< 5	< 5
	BH56M(Aug2012)	2012 08 14	847	< 10	256	< 10	50.4	369	-	2,720	< 0.5	< 1	2,890	< 0.1	< 10	0.8	< 5	1.1	< 2	1.3	29	0.014	1.3	6	1	< 0.1	-	< 0.02	-	375	4.9	< 1	< 10
2460-Dup1(Aug2012)	Duplicate	856	< 10	259	< 10	50.9	368	-	2,730	< 0.5	< 1	2,910	< 0.1	< 10	0.8	< 5	1	< 2	1.2	28	0.013	1.4	6	< 1	< 0.1	-	< 0.02	-	376	4.8	< 1	< 10	
	QA/QC RPD%		1	*	1	*	1	0	-	0	*	*	1	*	*	0.604	*	10	*	8	4	*	*	*	*	*	-	*	-	0	2	*	*
MW56M-W18	2013 08 04	723	174	217	41	44.2	291	6.5	1,970	-	< 0.8	2,370	< 0.8	< 400	0.604	< 8	< 4	1.35	1.93	-	< 0.4 ^a	< 8	4.4	0.47	0.148	506	< 0.4	< 40	< 40	4.5	< 40	< 40 ^a	
BH56M-140823	2014 08 23	220	5.3	68.2	< 5	12.1	6.6	3.45	598	< 0.5	0.19	474	< 0.1	< 50	0.069	< 1	< 0.5	0.73	1.17	10.1	< 0.01	3.1	1.3	0.51	< 0.02	140	< 0.05	< 5	< 5	3.02	< 5	< 5	
BH57M	BH57M-140824	2014 08 24	-	-	-	-	-	-	-	751	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH59M	BH59M(Aug2012)	2012 08 14	348	< 10	116	< 10	14.2	< 1	-	797	< 0.5	< 1	471	< 0.1	< 10	0.2	< 5	< 0.5	3	< 0.1	4	0.006	8.2	3	< 1	< 0.1	-	< 0.02	-	170	2.5	< 1	62
	MW59M-W18	2013 08 04	146	21.3	49.2	6.3	5.56	< 2	6.59	239	-	0.12	157	< 0.2	< 100	0.029	< 2	< 1	1.86	< 0.4	-	< 0.1 ^a	13.6	1.4	0.0								

TABLE 14 (Cont'd): Summary of Analytical Results for Dissolved Metals in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical	Geochemical Indicators							Dissolved Metals																							
			Hardness mg/L	Aluminum µg/L	Calcium mg/L	Iron µg/L	Magnesium mg/L	Manganese µg/L	Potassium mg/L	Sodium mg/L	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Boron µg/L	Cadmium µg/L	Chromium µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Lithium µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Strontium µg/L	Thallium µg/L	Tin µg/L	Titanium µg/L	Uranium µg/L	Vanadium µg/L	Zinc µg/L	
BH63M	BH63M(9th)	2010 09 12	3,220	< 5.0	855	< 90	263	305	7.8	2,590	< 0.500	< 0.500	8,670	< 2.5	< 300	0.853	< 0.500	4.47	0.7	< 0.250	61	< 0.0100	2.65	13.3	< 0.500	0.084	2,390	< 0.500	< 0.500	34	9.41	< 5.0	10.2	
	BH63M	2011 09 18	3,300	< 30	953	< 100	275	42.3	8.33	2,990	< 1.0	< 1.0	10,700	< 1.0	< 100	0.39	< 1.0	< 1.0	< 5.0 ^a	< 0.5	95.9	< 0.01	1.73	5.3	< 1.0	1.46	2,450	< 0.1	< 1.0	< 100	10.6	< 10	< 30	
	BH63M(Aug2012)	2012 08 14	2,200	< 10	608	< 10	166	15	-	3,000	< 0.5	< 1	7,140	< 0.1	< 10	0.4	< 5	< 0.5	< 2	< 0.1	72	0.019	1.9	5	< 1	0.9	-	< 0.02	-	982	10.6	< 1	12	
	MW63M-W18	2013 08 04	2,350	167	654	43	173	12.8	6.34	2,490	-	< 0.8	6,980	< 0.8	< 400	0.467	< 8	< 4	2.15	< 1.6	-	< 0.4 ^a	< 8	< 8	0.72	0.76	1,810	< 0.4	< 40	< 40	9.56	< 40	< 40 ^a	
	BH63M-140821	2014 08 21	1,650	30	461	66	122	9.2	6.12	2,670	< 2	< 0.4	4,980	< 0.4	< 200	0.357	< 4	< 2	3.68	1.26	53	0.01	< 4	13.9	0.49	0.629	1,290	< 0.2	< 20	< 20	8.67	< 20	58	
	MW14-F-140821	Duplicate	1,680	< 12	478	< 20	119	8.3	6.14	2,630	< 2	0.74	4,890	< 0.4	< 200	0.295	< 4	< 2	4.03	< 0.8	57	0.013	< 4	5.4	0.46	0.659	1,300	< 0.2	< 20	< 20	8.82	< 20	< 20	
	QA/QC RPD%		2	*	4	*	2	10	0	2	*	*	2	*	*	*	*	*	9	*	7	*	*	*	*	*	5	1	*	*	*	2	*	*
	BH63M-160530	2016 05 30	-	-	422	-	99	7.3	4.98	1,950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH64M	BH64M(9th)	2010 09 12	490	< 5.0	151	< 90	27.7	149	< 6.0	1,910	< 0.500	< 0.500	1,630	< 2.5	< 300	0.317	< 0.500	2.32	0.89	< 0.250	< 25	< 0.0100	2.32	7.4	0.71	< 0.0500	354	< 0.500	< 0.500	< 30	5.53	< 5.0	< 5.0	
	BH64M	2011 09 18	794	< 30	283	< 100	49.7	26.6	8.52	2,400	< 1.0	< 1.0	3,060	< 1.0	< 100	0.41	< 1.0	< 1.0	< 5.0 ^a	< 0.5	27.9	< 0.01	1.31	< 5.0	< 1.0	0.16	622	< 0.1	< 1.0	< 100	5.24	< 10	< 30	
	BH64M(Aug2012)	2012 08 14	604	< 10	187	< 10	33.3	14	-	2,010	< 0.5	< 1	1,960	< 0.1	< 10	0.3	< 5	< 0.5	3	< 0.1	17	0.011	1.1	3	2	0.1	-	< 0.02	-	273	4	< 1	13	
	MW64M-W18	2013 08 04	698	175	217	30	37.9	16	7.23	1,810	-	< 0.8	2,280	< 0.8	< 400	0.292	< 8	< 4	4.55	< 1.6	-	< 0.4 ^a	< 8	< 8	< 0.8	0.212	544	< 0.4	< 40	< 40	4.2	< 40	< 40 ^a	
	BH64M-140821	2014 08 21	702	76.6	216	163	39.4	15.3	7.83	2,080	< 1	0.28	2,090	< 0.2	< 100	0.335	< 2	< 1	9.28	0.49	19	< 0.01	< 2	3.6	0.73	0.156	524	< 0.1	< 10	< 10	4.71	< 10	< 10	
	BH64M	2015 10 06	667	8	206	< 10	36.7	7.6	8.03	1,970	< 1	< 0.2	1,930	< 0.2	< 100	0.247	< 2	< 1	0.57	< 0.4	22	< 0.01	< 2	2.5	0.6	< 0.04	497	< 0.1	< 10	< 10	5.24	< 10	< 10	
	DUP 1	Duplicate	656	< 6	203	< 10	36.1	8.6	8.21	1,890	< 1	0.21	1,900	< 0.2	< 100	0.252	< 2	< 1	0.66	< 0.4	22	< 0.01	< 2	2.2	0.67	< 0.04	503	< 0.1	< 10	< 10	5.11	< 10	< 10	
	QA/QC RPD%		2	*	1	*	2	12	2	4	*	*	2	*	*	*	*	*	*	*	0	*	*	*	*	*	*	1	*	*	*	3	*	*
BH65M	BH65M(9th)	2010 09 12	1,020	38	316	< 150	56.6	296	11	2,690	< 0.500	< 0.500	2,680	< 2.5	< 500	0.703	< 0.500	3.39	1.21	< 0.250	< 25	< 0.0100	3.22	12.8	0.64	0.089	718	< 0.500	< 0.500	< 50	7.06	< 5.0	5.2	
	BH65M	2011 09 18	777	< 30	298	< 100	47.4	63.2	12.9	2,510	< 1.0	< 1.0	2,370	< 1.0	< 100	0.41	< 1.0	< 1.0	< 5.0 ^a	< 0.5	25.1	< 0.01	1.96	6.9	< 1.0	< 0.1	665	< 0.1	< 1.0	< 100	7.17	< 10	< 30	
	BH65M(Aug2012)	2012 08 14	666	< 10	207	< 10	36.2	29	-	2,390	< 0.5	< 1	1,900	< 0.1	< 10	0.3	< 5	< 0.5	< 2	< 0.1	18	0.013	1.4	5	2	< 0.1	-	< 0.02	-	313	7	1	< 10	
	MW65M-W18	2013 08 04	470	16.3	160	< 10	17.2	8.9	11.3	1,150	-	0.26	631	< 0.2	< 100	0.092	< 2	< 1	1.62	< 0.4	-	< 0.1 ^a	< 2	1.7	0.36	0.031	364	< 0.1	< 10	< 10	0.94	< 10	< 10	
	BH65M-140824	2014 08 24	738	< 3	234	5.1	37.4	12.8	10.9	1,970	< 0.5	< 0.1	332	< 0.1	< 50	0.058	< 1	< 0.5	0.56	< 0.2	< 5	< 0.01	< 1	2.1	< 0.1	< 0.02	112	< 0.05	< 5	< 5	0.8	< 5	< 5	
	BH65M	2015 10 08	726	5.6	239	11.3	31.3	7.1	12.8	1,660	< 0.5	0.24	1,300	< 0.1	< 50	0.218	< 1	< 0.5	0.77	< 0.2	15.3	< 0.01	1.4	2.6	0.59	0.027	553	0.051	< 5	< 5	4.54	< 5	< 5	
BH69M	BH69M(9th)	2010 09 12	1,860	5.3	525	< 150	134	1,900	< 10.0	2,460	0.57	0.98	2,880	< 2.5	< 500	2.89	< 0.500	16.7	1.24	< 0.250	55	< 0.0100	3.24	46.6	1.26	< 0.0500	1,390	< 0.500	< 0.500	< 50	11.6	< 5.0	10.1	
	BH69M	2011 09 18	992	< 30	328	490	71.3	1,100	6	2,210	< 1.0	< 1.0	2,240	< 1.0	< 100	0.56	< 1.0	6.8	< 5.0 ^a	< 0.5	59.1	< 0.01	3.71	16.2	< 1.0	< 0.1	849	0.16	< 1.0	< 100	10	< 10	< 30	
	BH69M(Aug2012)	2012 08 15	610	< 10	181	70	38.4	634	-	1,440	< 0.5	< 1	1,050	< 0.1	< 10	0.4	< 5	6	< 2	< 0.1	32	0.008	3.7	14	2	< 0.1	-	< 0.02	-	258	10.8	1	13	
	MW69M-W18	2013 08 04	689	15.3	205	< 20	43	295	4.11	1,650	-	0.66	1,320	< 0.4	< 200	0.347	< 4	1.6	1.58	< 0.8	-	< 0.2 ^a	5.4	8.6	1.04	< 0.08	554	< 0.2	< 20					

TABLE 14 (Cont'd): Summary of Analytical Results for Dissolved Metals in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical	Geochemical Indicators							Dissolved Metals																							
			Hardness mg/L	Aluminum µg/L	Calcium mg/L	Iron µg/L	Magnesium mg/L	Manganese µg/L	Potassium mg/L	Sodium mg/L	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Boron µg/L	Cadmium µg/L	Chromium µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Lithium µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Strontium µg/L	Thallium µg/L	Tin µg/L	Titanium µg/L	Uranium µg/L	Vanadium µg/L	Zinc µg/L	
BH78M	BH78M(Aug2012)	2012 08 15	1,830	< 10	558	450	107	1,380	-	8,610	< 0.5	< 1	2,780	< 0.1	< 10	1.8	< 5	17.3	2	< 0.1	38	0.016	3.7	32	1	< 0.1	-	0.18	-	977	14.5	< 1	16	
	MW78M-W18	2013 08 04	1,470	81	451	< 100	84.4	1,080	30.4	5,870	-	< 2	2,070	< 2	< 1,000	1.73	< 20 ^a	8.1	6.2	< 4	-	< 1 ^a	< 20	27	< 2 ^a	0.37	1,030	< 1 ^a	< 100	< 100	16.4	< 100	< 100 ^a	
	BH78M-140820	2014 08 20	-	-	-	-	-	-	-	7,040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH80M	BH80M	2011 09 18	506	< 60	138	< 200	42	482	28.2	5,000	< 2.0	< 2.0	438	< 2.0	< 200	0.49	< 2.0	3.7	< 10 ^a	< 1.0	13	< 0.01	7.7	13	< 2.0 ^a	< 0.2 ^a	326	0.28	< 2.0	< 200 ^a	13.1	< 20	< 60 ^a	
	BH80M(Aug2012)	2012 08 14	533	< 10	129	< 10	51.2	182	-	3,300	< 0.5	< 1	427	< 0.1	< 10	0.2	< 5	1.3	2	< 0.1	19	0.013	6.4	9	3	< 0.1	-	< 0.02	-	204	10.8	1	< 10	
	MW80M-W18	2013 08 04	698	20	175	11	63.3	78.5	10.9	1,730	-	0.29	386	< 0.4	< 200	0.106	< 4	< 2	2.02	< 0.8	-	< 0.2 ^a	4.5	6.4	1.68	0.147	358	< 0.2	< 20	< 20	10.1	< 20	< 20	
	BH80M-140820	2014 08 20	-	-	-	-	-	-	-	3,270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MW14-A-140820	Duplicate	-	-	-	-	-	-	-	3,280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	QA/QC RPD%		-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH81M	BH80M	2015 10 06	397	10.4	108	13	31.1	72.3	12.6	2,290	< 1	0.32	336	< 0.2	< 100	0.11	< 2	< 1	3.36	< 0.4	24	0.011	7.9	5.4	1.66	< 0.04	251	< 0.1	< 10	< 10	13	< 10	< 10	
	BH81M	2011 09 18	3,540	< 300 ^a	1,140	< 1,000 ^a	165	1,240	118	22,000	< 10 ^a	< 10 ^a	4,480	< 10 ^a	< 1,000	14.5	< 10 ^a	< 50 ^a	< 5.0	< 50	0.032	0.01	0.01	< 10 ^a	6.7	2,760	1.1	< 10	< 1,000 ^a	21.1	< 100	< 300 ^a		
	BH81M(Aug2012)	2012 08 15	1,460	20	477	10	65.2	401	-	7,690	< 0.5	< 1	2,430	< 0.1	< 10	4.6	< 5	2.3	2	< 0.1	26	0.019	4	13	2	0.3	-	< 0.02	-	836	9.5	< 1	14	
	MW81M-W18	2013 08 06	2,230	< 60	688	< 100	124	325	69.8	13,600	-	< 2	3,130	< 2	< 1,000	7.34	< 20 ^a	< 10	2.8	< 4	-	< 1 ^a	< 20	14	1.9	3.01	1,980	< 1 ^a	< 100	< 100	16.4	< 100	< 100 ^a	
	BH81M-140821	2014 08 21	-	-	-	-	-	-	-	14,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	BH81M	2015 10 08	2,130	195	678	223	105	267	68.3	12,900	< 10 ^a	2.8	2,450	< 2	< 1,000	7.14	< 20 ^a	< 10	< 4	< 4	< 100	0.017	< 20	< 20	< 2 ^a	3.15	1,510	< 1 ^a	< 100	< 100	20.8	< 100	< 100 ^a	
BH83M	BH81M-160530	2016 05 30	-	-	325	-	59.7	194	33.5	6,790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	BH83M(Aug2012)	2012 08 14	1,210	< 10	306	< 10	108	182	-	189	0.9	< 1	856	< 0.1	< 10	0.1	< 5	16.5	4	< 0.1	19	0.003	8.6	19	< 1	< 0.1	-	< 0.02	-	345	7.4	< 1	30	
	2460-Dup2(Aug2012)	Duplicate	1,210	13	308	< 10	108	182	-	198	< 0.5	< 1	855	< 0.1	< 10	0.2	< 5	3.3	< 2	< 0.1	40	0.004	3.9	11	< 1	< 0.1	-	< 0.02	-	453	10.4	< 1	17	
	QA/QC RPD%		0	*	1	*	0	0	-	5	*	*	0	*	*	*	*	133	*	*	*	71	*	*	*	*	*	-	*	-	27	34	*	55
	MW83M-W18	2013 08 04	1,310	3.9	321	< 10	124	42.9	2.77	297	-	0.2	1,660	< 0.2	< 100	0.076	< 2	< 1	0.39	< 0.4	-	< 0.1 ^a	3.8	1.8	1.07	< 0.04	1,290	< 0.1	< 10	< 10	12.1	< 10	< 10	
	MW13-H-W18	Duplicate	1,350	4.5	333	< 10	125	43.9	2.8	297	-	0.2	1,680	< 0.2	< 100	0.063	< 2	< 1	0.42	< 0.4	-	< 0.1 ^a	3.8	1.9	1.08	< 0.04	1,280	< 0.1	< 10	< 10	12.1	< 10	< 10	
BH84M	QA/QC RPD%		3	*	4	*	1	2	1	0	-	*	1	*	*	*	*	*	*	*	-	*	*	*	1	*	1	*	*	*	0	*	*	
	BH83M-140820	2014 08 20	-	-	-	-	-	-	-	319	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	BH83M	2015 10 06	911	17.4	236	35.8	78.2	11	2.76	340	< 0.5	0.3	1,010	< 0.1	< 50	0.044	< 1	< 0.5	0.76	< 0.2	54.5	< 0.01	6.2	1.3	2.55	< 0.02	900	< 0.05	< 5	< 5	14.5	< 5	< 5	
	BH84M(Aug2012)	2012 08 14	819	< 10	217	70	67.2	1,950	-	285	< 0.5	< 1	864	< 0.1	< 10	0.2	< 5	3.9	< 2	< 0.1	40	0.01	4	11	< 1	< 0.1	-	< 0.02	-	501	10.7	< 1	< 10	
	MW84M-W18	2013 08 04	589	28.5	156	74.2	48.2	31.9	2.73	201	-	0.39	617	< 0.2	< 100	0.118	< 2	< 1	1.15	< 0.4	-	< 0.1 ^a	2.9	5.5	0.37	0.04	376	< 0.1	< 10	< 10	5.47	< 10	24.1	
	BH84M-140822	2014 08 22	-	-	-	-	-	-	-	310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH85M	BH84M	2015 10 06	334	4.9	93.8	23.7	24.2	237	2.16	218	< 0.5	0.48	393	< 0.1	< 50	0.086	< 1	0.9	1.08	< 0.2	19.2	< 0.01	6	3.1	0.2	< 0.02	216	< 0.05	< 5	< 5	6.58	< 5	14.1	
	BH85M(Aug2012)	2012 08 14	729	< 10	200	< 10	55.8	507	-	846	< 0.5	< 1	415	< 0.1	< 10	0.2	< 5	6.8	2	< 0.1	25	0.007	7.8	26	< 1	< 0.1	-	< 0.02	-	291	9.1	< 1	14	
	MW85M-W18	2013 08 04	422	6.7	111	21.8	35	146	2.41	561	-	0.4	458	< 0.2	< 100	0.06.																		

TABLE 14 (Cont'd): Summary of Analytical Results for Dissolved Metals in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical	Geochemical Indicators							Dissolved Metals																						
			Hardness mg/L	Aluminum µg/L	Calcium mg/L	Iron µg/L	Magnesium mg/L	Manganese µg/L	Potassium mg/L	Sodium mg/L	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Boron µg/L	Cadmium µg/L	Chromium µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Lithium µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Strontium µg/L	Thallium µg/L	Tin µg/L	Titanium µg/L	Uranium µg/L	Vanadium µg/L	Zinc µg/L
BH13-93	BH13-93-W18	2013 11 30	667	< 24	210	21	34.6	573	14.5	3,070	< 4	0.73	1,460	< 0.8	< 400	0.603	< 8	4.2	2.65	2.46	22	< 0.02	8.1	13.6	0.93	< 0.16 ^a	495	< 0.4	< 40	< 40	6.84	< 40	< 40 ^a
	BH13-93-140823	2014 08 23	-	-	-	-	-	-	-	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13-94	BH13-94-W18	2013 11 30	1,390	< 60	415	< 100	87	1,320	15.7	4,430	< 10 ^a	< 2	3,140	< 2	< 1,000	1.27	< 20 ^a	7.7	3.6	2.7	< 100	< 0.02	< 20	26	< 2 ^a	< 0.4 ^a	950	< 1 ^a	< 100	< 100	7.5	< 100	< 100 ^a
BH13-95	BH13-95-W18	2013 11 30	760	< 12	231	70	44.5	443	14	1,760	< 2	0.41	812	< 0.4	< 200	0.303	< 4	3.8	1.86	< 0.8	17	< 0.02	4.6	15.1	0.57	0.049	507	0.14	< 20	< 20	3.94	< 20	< 20
	BH13-T-W18	Duplicate	763	< 12	233	23	44	442	13.8	1,700	< 2	0.52	816	< 0.4	< 200	0.329	< 4	3.8	1.65	< 0.8	16	< 0.02	4.3	15.5	0.56	0.056	515	0.12	< 20	< 20	3.96	< 20	< 20
	QA/QC RPD%		0	*	1	*	1	0	1	3	*	*	0	*	*	*	*	0	12	*	6	*	*	*	2	*	2	15	*	*	1	*	*
	BH13-95-140824	2014 08 24	-	-	-	-	-	-	-	1,380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14-96M	BH96 M	2014 02 24	722	15	208	42	49.1	1,550	20	2,710	< 2	0.86	673	< 0.4	< 200	0.554	< 4	11.2	5.07	< 0.8	22	< 0.2 ^a	12.9	32.8	1.11	0.306	566	< 0.2	< 20	< 20	5.56	< 20	21
BH14-97M	BH97 M	2014 02 24	1,190	113	356	319	74.2	1,760	14.5	2,560	< 2	8.6	432	< 0.4	< 200	1.69	< 4	15.8	5.17	1.1	26	< 0.2 ^a	4.7	40.8	1.15	0.166	849	< 0.2	< 20	< 20	5.2	< 20	26
BH14-98M	BH98 M	2014 02 24	1,390	< 30	403	153	93.5	1,510	14.6	4,460	< 5	< 1	3,060	< 1	< 500	1.19	< 10 ^a	9.2	6	< 2	< 50	< 0.5 ^a	< 10	25	< 1	0.35	993	< 0.5	< 50	< 50	9	< 50	< 50 ^a
	DUP 1	Duplicate	1,410	< 30	411	119	94.6	1,580	15.2	4,550	< 5	< 1	3,070	< 1	< 500	1.3	< 10 ^a	10.1	3.2	< 2	< 50	< 0.5 ^a	< 10	26	1.1	0.2	990	< 0.5	< 50	< 50	9.3	< 50	< 50 ^a
	QA/QC RPD%		1	*	2	25	1	5	4	2	*	*	0	*	*	9	*	9	61	*	*	*	4	*	55	0	*	*	*	3	*	*	*
BH14-99M	BH99 M	2014 02 24	902	< 12	266	< 20	57.7	421	5.94	2,510	< 2	< 0.4	1,750	< 0.4	< 200	0.567	< 4	4	3.26	< 0.8	33	< 0.2 ^a	< 4	11.5	0.67	0.187	646	< 0.2	< 20	< 20	6.77	< 20	< 20
BH14-100M	BH100 M	2014 02 25	683	< 6	188	28,900	51.9	3,470	8.53	1,400	< 1	1.32	337	< 0.2	< 100	0.093	< 2	17.1	1.51	< 0.4	23	< 0.1 ^a	54.3	38.9	0.36	0.058	460	< 0.1	< 10	< 10	0.31	< 10	< 10
BH14-103M	BH103 M	2014 02 25	3,080	130	956	373	168	660	71.9	19,500	< 20 ^a	< 4	2,880	< 4	< 2,000	6.23	< 40 ^a	< 20	24.5	< 8 ^a	< 200	< 2 ^a	< 40	< 40	< 4 ^a	1.76	2,760	< 2 ^a	< 200	< 200 ^a	8.4	< 200	< 200 ^a
	BH103M	2015 10 08	2,860	84	896	< 100	151	266	79.2	19,200	< 10 ^a	3	3,050	< 2	< 1,000	5	< 20 ^a	< 10	< 4	< 4	< 100	0.013	< 20	< 20	< 2 ^a	2.44	2,710	< 1 ^a	< 100	< 100	8.4	< 100	< 100 ^a
Tap 5	Tap5	2006 08 20	476	-	133	-	32.5	-	1.6	19.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2460-TAP(Aug2012)	2012 08 14	528	-	148	-	38.4	-	1.51	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	T3-TAP-W18	2013 08 06	563	8.1	164	2,130	36.9	150	1.46	11.6	< 1	2.47	13.8	< 0.2	< 100	< 0.02 ^b	< 2	0.8	3.4	< 0.4	25.6	< 0.1 ^a	13.1	4.5	< 0.2	< 0.04	497	< 0.1	< 10	< 10	9.24	< 10	12.1
DW14-TAP Well	DW14-TAP-140822	2014 08 22	424	10.3	112	68.9	34.9	84	1.8	123	< 0.5	0.47	9.6	< 0.1	< 50	0.03	< 1	< 0.5	7.71	0.27	27.5	< 0.01	11.4	4.3	< 0.1	0.096	263	< 0.05	< 5	< 5	12.1	< 5	56.4
	WELL	2004 09 30	685	-	149	-	35	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Well	2005 11 04	461	-	145	-	31.4	-	1.6	9.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Well	2006 08 20	496	-	140	-	33.9	-	1.7	14.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Well(7th)	2008 10 09	-	-	155	-	38.7	-	1.6	8.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	WELL(9th)	2010 09 12	557	-	161	-	37.5	-	< 2.0	16.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WELL	2011 09 18	118	-	31.6	-	9.49	-	3	217	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FIELD BLANK	MW14-H-140825	2014 08 25	-	-	-	-	-	-	-	0.443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Federal Guideline																																	
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	100	n/a	300	n/a	50	n/a	200	6	10	1,000	n/a	5,000	5	50	n/a	1,000	10	n/a	1	n/a	n/a	50	n/a	n/a	n/a	n/a	20	n/a	5,000	
FGQG Tier 2 Residential/Parkland Land Use (RL/PL) ^b			n/a	100 ^d	n/a	300	n/a	n/a	n/a	n/a	2,000	5	2,900	5.3	n/a	0.017	8.9	n/a	4	7	n/a	0.026	73	150	1	0.1	n/a	0.8	n/a	100	15	n/a	30
BC Standard																																	
CSR Drinking Water (DW)			n/a	9,500	n/a	6,500	100	550	n/a	200	6	10	1,000	n/a	5,000	5	50	n/a	1,000	10	730	1	250	n/a	10	n/a	22,000	n/a	22,000	n/a	20	n/a	5,000
CSR Aquatic Life (AW) ^c			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	200	50	10,000	53	50,000	0.6 ^e	10	40	90	160	n/a	1	10,000	1,500	10	15	n/a	3	n/a	1,000	3,000	n/a	2,400 ^f

Associated Maxxam file(s): B642466.

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

^a Laboratory detection limit exceeds regulatory standard/guideline.

^b Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^c Standard to protect freshwater aquatic life.

^d Guideline is pH dependent; based on available data, site pH is > 6.5.

^e There is no Cadmium standard specified for H ≥ 210; therefore, the standard for H=150-~210 is applied as a conservative comparison.

^f There is no Zinc standard specified for H ≥ 400; therefore, the standard for H=300-~400 is applied as a conservative comparison.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
BOLD	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

TABLE 15: Summary of Analytical Results for Total Metals in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Phys	Total Metals																														
			Hardness mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Potassium mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Strontium mg/L	Thallium mg/L	Tin mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L	
MW-01	MW-01	2004 09 18	1,150	-	-	-	-	-	-	-	472	-	-	-	-	-	-	132	-	-	-	-	-	-	-	-	253	-	-	-	-	-	-	-
	MW01	2005 03 20	1,440	-	-	-	-	-	-	-	1,690	-	-	-	-	-	-	365	-	-	-	-	-	-	-	-	595	-	-	-	-	-	-	-
BH11M	BH11M	2005 03 20	3,080	-	-	-	-	-	-	-	1,050	-	-	-	-	-	-	143	-	-	-	-	-	-	-	-	7,270	-	-	-	-	-	-	-
	BH11M(7th)	2008 10 09	1,930	-	-	-	-	-	-	-	576	-	-	-	-	-	-	82	-	-	-	-	-	-	-	-	5,910	-	-	-	-	-	-	-
	BH11M(9th)	2010 09 12	1,200	-	-	-	-	-	-	-	422	-	-	-	-	-	-	56.6	-	-	-	-	19	-	-	-	4,110	-	-	-	-	-	-	-
	BH11M	2011 09 18	1,140	-	-	-	-	-	-	-	395	-	-	-	-	-	-	53.4	-	-	-	-	-	-	-	-	4,240	-	-	-	-	-	-	-
BH12M	BH12M	2005 03 20	415	-	-	-	-	-	-	-	450	-	-	-	-	-	-	133	-	-	-	-	-	-	-	-	2,330	-	-	-	-	-	-	-
	BH12M	2005 11 04	512	-	-	-	-	-	-	-	137	-	-	-	-	-	-	22.5	-	-	-	-	-	-	-	-	2,620	-	-	-	-	-	-	-
	BH12M	2006 08 18	682	-	-	-	-	-	-	-	236	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-	1,320	-	-	-	-	-	-	-
BH29M	BH29M	2004 09 18	575	-	-	-	-	-	-	-	172	-	-	-	-	-	-	41.7	-	-	-	-	-	-	-	-	4.5	-	-	-	-	-	-	-
	BH29M	2005 03 20	588	-	-	-	-	-	-	-	250	-	-	-	-	-	-	60.3	-	-	-	-	-	-	-	-	5.44	-	-	-	-	-	-	-
	GRA	Duplicate	656	-	-	-	-	-	-	-	213	-	-	-	-	-	-	69.8	-	-	-	-	-	-	-	-	6.24	-	-	-	-	-	-	-
	QA/QC RPD%		11	-	-	-	-	-	-	-	16	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-
	BH29M	2005 11 04	450	-	-	-	-	-	-	-	141	-	-	-	-	-	-	37.3	-	-	-	-	-	-	-	-	10.3	-	-	-	-	-	-	-
	GR16	Duplicate	450	-	-	-	-	-	-	-	135	-	-	-	-	-	-	34.6	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-
	QA/QC RPD%		0	-	-	-	-	-	-	-	4	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	73	-	-	-	-	-	-	-
BH31M	BH31M	2004 09 18	3,130	-	-	-	-	-	-	-	1,440	-	-	-	-	-	-	269	-	-	-	-	-	-	-	-	7,090	-	-	-	-	-	-	-
BH32M	BH32M	2004 09 18	1,610	-	-	-	-	-	-	-	537	-	-	-	-	-	-	154	-	-	-	-	-	-	-	-	1,390	-	-	-	-	-	-	-
	BH32M	2005 11 04	1,370	-	-	-	-	-	-	-	388	-	-	-	-	-	-	85.7	-	-	-	-	-	-	-	-	1,480	-	-	-	-	-	-	-
BH33M	BH33M	2004 09 18	1,780	-	-	-	-	-	-	-	470	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	1,760	-	-	-	-	-	-	-
BH46M	BH46M	2006 08 18	1,560	-	-	-	-	-	-	-	367	-	-	-	-	-	-	137	-	-	-	-	-	-	-	-	97.8	-	-	-	-	-	-	-
	BH46M(7th)	2008 10 09	1,610	-	-	-	-	-	-	-	395	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	155	-	-	-	-	-	-	-
	GR121(BH46M)	Duplicate	1,600	-	-	-	-	-	-	-	393	-	-	-	-	-	-	149	-	-	-	-	-	-	-	-	153	-	-	-	-	-	-	-
	QA/QC RPD%		*	-	-	-	-	-	-	-	*	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-
	BH46M(9th)	2010 09 12	1,540	-	-	-	-	-	-	-	399	-	-	-	-	-	-	150	-	-	-	-	3.7	-	-	-	213	-	-	-	-	-	-	-
	BH46M	2011 09 18	1,500	-	-	-	-	-	-	-	377	-	-	-	-	-	-	137	-	-	-	-	-	-	-	-	287	-	-	-	-	-	-	-
	GR5	Duplicate	1,520	-	-	-	-	-	-	-	368	-	-	-	-	-	-	134	-	-	-	-	2.7	-	-	-	280	-	-	-	-	-	-	-
QA/QC RPD%		1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	
BH51M	BH51M	2006 08 18	489	-	-	-	-	-	-	-	125	-	-	-	-	-	-	34.2	-	-	-	-	-	-	-	-	4.4	-	-	-	-	-	-	-
	GR61	Duplicate	489	-	-	-	-	-	-	-	127	-	-	-	-	-	-	34.7	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-	-	-
	QA/QC RPD%		0	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-
	BH51M(7th)	2008 10 09	523	-	-	-	-	-	-	-	147	-	-	-	-	-	-	43.4	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-
	BH51M(9th)	2010 09 12	516	-	-	-	-	-	-	-	141	-	-	-	-	-	-	39.9	-	-	-	-	< 2.0	-	-	-	4.2	-	-	-	-	-	-	-
	BH51M	2011 09 18	505	-	-	-	-	-	-	-	139	-	-	-	-	-	-	38.4	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
	GR8-110918	Duplicate	506	-	-	-	-	-	-	-	152	-	-	-	-	-	-	40.1	-	-	-	-	-	-	-	-	4.4	-	-	-	-	-	-	-
	QA/QC RPD%		0	-	-	-	-	-	-	-	9	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
BH55M	BH55M	2006 08 18	518	-	-	-	-	-	-	-	132	-	-	-	-	-	-	34.8	-	-	-	-	-	-	-	-	220	-	-	-	-	-	-	-
	BH55M(7th)	2008 10 09	458	-	-	-	-	-	-	-	141	-	-	-	-	-	-	34.6	-	-	-	-	-	-	-	-	51.1	-	-	-	-	-	-	-
	BH55M(9th)	2010 09 12	310	-	-	-	-	-	-	-	87.5	-	-	-	-	-	-	16.9	-	-	-	-	2.3	-	-	-	226	-	-	-	-	-	-	-
	BH55M	2011 09 18	322	-	-	-	-	-	-	-	125	-	-	-	-	-	-	25.1	-	-	-	-	-	-	-	-	190	-	-	-	-	-	-	-
BH61M	BH61M(9th)	2010 09 12	1,440	-	-																													

TABLE 15 (Cont'd): Summary of Analytical Results for Total Metals in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Phys	Total Metals																														
			Hardness mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Potassium mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Strontium mg/L	Thallium mg/L	Tin mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L	
BH80M	BH80M	2011 09 18	506	-	-	-	-	-	-	241	-	-	-	-	-	-	62.8	-	-	-	-	31	-	-	-	5,560	-	-	-	-	-	-	-	
BH81M	BH81M	2011 09 18	3,540	-	-	-	-	-	-	-	1,430	-	-	-	-	-	216	-	-	-	-	111	-	-	-	23,300	-	-	-	-	-	-	-	
DW14-TAP	TAP	2014 02 25	21.2	0.0049	< 0.0005	0.00154	< 0.001	< 0.0001	< 0.05	0.000016	5.74	< 0.001	< 0.0005	0.0112	0.099	0.00061	0.0167	1.68	0.0069	< 0.00005 ^a	0.0119	0.0014	0.571	< 0.0001	< 0.00002	330	0.0177	< 0.00005	< 0.005	< 0.005	0.00916	< 0.005	0.0607	
	TAP	2015 10 08	4.59	0.0043	< 0.0005	0.00314	< 0.001	< 0.0001	< 0.05	< 0.00001	1.34	< 0.001	< 0.0005	0.00456	0.038	0.00074	0.0173	0.299	< 0.001	< 0.00005 ^a	0.0124	0.003	0.277	< 0.0001	< 0.00002	392	0.0057	< 0.00005	< 0.005	< 0.005	0.00832	< 0.005	0.0216	
Tap 5	Tap 5	2005 11 04	82	< 0.0050	< 0.0010	0.005	0.004	< 0.0010	0.12	< 0.0002 ^a	15.9	< 0.0010	< 0.0010	0.009	1.05	< 0.0010	0.068	10.2	0.018	< 0.02 ^a	0.01	< 0.0010	3.9	< 0.0010	< 0.00025	358	0.038	< 0.0001	< 0.0010	0.002	0.0053	< 0.0010	0.007	
	Tap5	2006 08 20	476	0.01	< 0.001	0.002	0.015	< 0.001	0.05	< 0.0002 ^a	137	< 0.001	< 0.001	0.007	2	< 0.001	0.026	32.5	0.04	< 0.02 ^a	0.011	0.004	1.6	< 0.001	< 0.00025	18.4	0.43	< 0.0001	< 0.001	< 0.001	0.009	< 0.001	0.013	
Well	2460-TAP(Aug2012)	2012 08 14	519	0.001	< 0.00005	0.002	0.0122	< 0.00005	0.027	0.00001	146	< 0.0005	0.00068	0.0037	1.79	< 0.00001	0.0242	37.6	0.265	< 0.000003	0.0134	0.0026	-	< 0.0003	< 0.00001	14.4	-	< 0.00001	-	0.183	0.00899	< 0.0005	0.015	
	T3-TAP-W18	2013 08 06	561	0.008	< 0.001	0.00235	0.0134	< 0.0002	< 0.1	< 0.00002 ^a	164	< 0.002	0.00083	0.00375	2.09	< 0.0004	0.0237	37.5	0.148	< 0.0001 ^a	0.0128	0.0046	1.55	< 0.0002	0.000021	11.8	0.49	< 0.0001	< 0.01	< 0.01	0.00945	< 0.01	0.0112	
	Well	2004 04 07	475	< 0.005	< 0.001	0.003	0.015	< 0.001	< 0.05	< 0.0002 ^a	139	< 0.001	0.001	0.002	2.85	< 0.001	0.021	31.3	0.068	0.00003	0.011	0.007	1.4	< 0.001	< 0.00025	13.3	0.46	< 0.0001	< 0.001	< 0.001	0.0076	< 0.001	0.017	
	WELL	2004 09 30	685	0.008	< 0.0010	0.005	0.018	< 0.0010	0.06	< 0.0002 ^a	202	< 0.0010	0.001	0.5	3.48	0.024	0.028	43.5	0.084	< 0.02 ^a	0.015	0.009	2	0.001	< 0.00025	10	0.56	< 0.0001	0.002	< 0.0010	0.0097	< 0.0010	0.11	
	Well	2005 11 04	461	< 0.0050	< 0.0010	0.004	0.014	< 0.0010	< 0.05	< 0.0002 ^a	136	< 0.0010	< 0.0010	0.003	2.27	< 0.0010	0.02	29.3	0.061	< 0.02 ^a	0.01	0.004	1.3	< 0.0010	< 0.00025	11.8	0.42	< 0.0001	< 0.0010	0.004	0.0073	< 0.0010	0.008	
	Well	2006 08 20	496	0.023	< 0.001	0.003	0.015	< 0.001	0.1	< 0.0002 ^a	141	< 0.001	< 0.001	0.006	2.26	< 0.001	0.026	34.8	0.062	< 0.02 ^a	0.012	0.005	1.6	< 0.001	< 0.00025	13.9	0.46	< 0.0001	< 0.001	< 0.001	0.0089	< 0.001	0.013	
	Well(7th)	2008 10 09	-	-	-	-	-	-	-	-	156	-	-	-	-	-	-	40.4	-	-	-	-	-	-	-	6.3	-	-	-	-	-	-	-	
WELL(9th)	2010 09 12	557	0.0077	< 0.000100	0.00402	< 0.02	< 0.0000500	< 0.1	0.000044	166	0.00026	0.00069	0.312	3.58	0.0235	0.0225	39	0.0793	< 0.0000100	0.0131	0.00857	< 2.0	< 0.000100	< 0.0000100	16.9	0.484	< 0.000100	0.00056	< 0.01	0.00939	< 0.0010	0.51		
	WELL	2011 09 18	118	< 0.0030	< 0.0001	0.00536	0.00266	< 0.0001	0.035	< 0.00001	29.4	< 0.0001	0.0002	0.00236	1.51	0.000342	0.0204	9.12	0.032	< 0.00001	0.0129	0.00366	3.01	< 0.0001	< 0.00001	207	0.075	< 0.00001	< 0.0001	< 0.01	0.00938	< 0.0010	0.0124	
Federal Guideline																																		
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	0.1	0.006	0.01	1	n/a	5	0.005	n/a	0.05	n/a	1	0.3	0.01	n/a	n/a	0.05	0.001	n/a	n/a	n/a	0.05	n/a	200	n/a	n/a	n/a	n/a	0.02	n/a	5	
FGQG Tier 2 Residential/Parkland Land Use (RL/PL) ^b			n/a	0.1 ^d	2	0.005	2.9	0.0053	n/a	0.000017	n/a	0.0089	n/a	0.002 - 0.004 ^e	0.3	0.001 - 0.007 ^e	n/a	n/a	n/a	0.000026	0.073	0.025 - 0.15 ^a	n/a	0.001	0.0001	n/a	n/a	0.0008	n/a	0.1	0.015	n/a	0.03	
BC Standard																																		
CSR Drinking Water (DW)			n/a	9.5	0.006	0.01	1	n/a	5	0.005	n/a	0.05	n/a	1	6.5	0.01	0.73	100	0.55	0.001	0.25	n/a	n/a	0.01	n/a	200	22	n/a	22	n/a	0.02	n/a	5	
CSR Aquatic Life (AW) ^c			n/a	n/a	0.2	0.05	10	0.053	50	0.0001 - 0.0006 ^{a,f}	n/a	0.01	0.04	0.02 - 0.09 ^a	n/a	0.04 - 0.16 ^a	n/a	n/a	n/a	0.001	10	0.25 - 1.5 ^a	n/a	0.01	0.0005 - 0.0015 ^a	n/a	n/a	0.003	n/a	1	3	n/a	0.075 - 2.4 ^{a,g}	

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
BOLD	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

^a Laboratory detection limit exceeds regulatory standard/guideline.

^b Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^c Standard to protect freshwater aquatic life.

^d Guideline is pH dependent; based on available data, site pH is > 6.5.

^e Standard varies with hardness.

^f There is no Cadmium standard specified for H ≥ 210; therefore, the standard for H=150~210 is applied as a conservative comparison.

^g There is no Zinc standard specified for H ≥ 400; therefore, the standard for H=300~400 is applied as a conservative comparison.

TABLE 16: Summary of Analytical Results for VOCs in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Volatile Organic Compounds																																					
			Bromo benzene µg/L	Bromo dichloro methane µg/L	Bromo form µg/L	Bromo methane µg/L	1,3-Butadiene µg/L	Carbon tetra chloride µg/L	Chloro benzene µg/L	Chloro ethane µg/L	Chloro form µg/L	Chloro methane µg/L	Dibromo chloro methane µg/L	1,2-Di bromo ethane µg/L	1,2-Di chloro benzene µg/L	1,3-Di chloro benzene µg/L	1,4-Di chloro benzene µg/L	Dichloro difluoro methane µg/L	1,1-Dichloro ethane µg/L	1,2-Dichloro ethane µg/L	1,1-Dichloro ethylene µg/L	cis-1,2-Dichloro ethylene µg/L	Dichloro ethylene µg/L	Dichloro methane µg/L	1,2-Dichloro propane µg/L	Dichloro propene µg/L	Dichloro propene µg/L	2-Hexa none µg/L	Methyl ethyl ketone µg/L	Methyl isobutyl ketone µg/L	Methylene bromide µg/L	1,1,1,2-Tetra chloroethane µg/L	1,1,2,2-Tetra chloroethane µg/L	Tetra chloro ethylene µg/L	1,1,1-Tri chloro ethane µg/L	1,1,2-Tri chloro ethane µg/L	Trichloro ethylene µg/L	Trichloro fluoro methane µg/L	Vinyl chloride µg/L	
BH12M	BH12M	2005 11 04	-	< 0.1	< 0.2	< 0.8	-	< 0.1	< 0.1	< 0.4	< 0.3	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 6	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 0.2	-	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2	
	GR14	Duplicate	-	< 0.1	< 0.2	< 0.8	-	< 0.1	< 0.1	< 0.4	< 0.3	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 6	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 0.2	-	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2	
	QA/QC RPD%		-	*	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	
BH31M	BH31M	2005 11 04	-	< 0.1	< 0.2	< 0.8	-	< 0.1	< 0.1	< 0.4	< 0.3	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 6	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 0.2	-	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2
BH32M	BH32M	2005 11 04	-	< 0.1	< 0.2	< 0.8	-	< 0.1	< 0.1	< 0.4	< 0.3	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 6	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 0.2	-	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2
BH46M	BH46M	2006 08 18	-	< 0.1	< 0.2	< 0.8	-	< 0.1	< 0.1	< 0.4	< 0.3	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 6	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 0.2	-	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2
BH13-90	MW13-90-W18	2013 10 07	< 4	< 2	< 2	< 2	< 10 ^a	< 1 ^a	< 1	< 2	< 2 ^a	< 2	< 2	-	< 1 ^a	< 1	< 1	< 4	< 1	< 1	< 1	< 2 ^a	< 2 ^a	< 4	< 1	< 2	< 2	-	-	-	< 1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 8	< 1	
	MW13-K-W18	Duplicate	< 4	< 2	< 2	< 2	< 10 ^a	< 1 ^a	< 1	< 2	< 2 ^a	< 2	< 2	-	< 1 ^a	< 1	< 1	< 4	< 1	< 1	< 1	< 2 ^a	< 2 ^a	< 4	< 1	< 2	< 2	-	-	-	< 1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 8	< 1	
	QA/QC RPD%		*	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
BH13-89	MW13-89B-W18	2013 10 08	< 4	< 2	< 2	< 2	< 10 ^a	< 1 ^a	< 1	< 2	< 2 ^a	< 2	< 2	-	< 1 ^a	< 1	< 1	< 4	< 1	< 1	< 1	< 2 ^a	< 2 ^a	< 4	< 1	< 2	< 2	-	-	-	< 1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 8	< 1	
BH13-91	MW13-91-W18	2013 10 07	< 4	< 2	< 2	< 2	< 10 ^a	< 1 ^a	< 1	< 2	< 2 ^a	< 2	< 2	-	< 1 ^a	< 1	< 1	< 4	< 1	< 1	< 1	< 2 ^a	< 2 ^a	< 4	< 1	< 2	< 2	-	-	-	< 1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 8	< 1	
Tap 5	Tap5	2006 08 20	-	< 0.1	< 0.2	< 0.8	-	< 0.1	< 0.1	< 0.4	< 0.3	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 6	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 0.2	-	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2
Well	Well	2005 11 04	-	< 0.1	< 0.2	< 0.8	-	< 0.1	< 0.1	< 0.4	< 0.3	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 6	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 0.2	-	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2
	Well	2006 08 20	-	< 0.1	< 0.2	< 0.8	-	< 0.1	< 0.1	< 0.4	< 0.3	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 6	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 0.2	-	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2
Federal Guideline																																								
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	n/a	n/a	n/a	n/a	2	30	n/a	n/a	n/a	n/a	n/a	3	n/a	1	n/a	n/a	5	14	n/a	n/a	50	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	30	n/a	n/a	5	n/a	2	
FGQG Tier 2 Residential/Parkland Land Use (RL/PL) ^b			n/a	8,500	380	5.6	n/a	0.56	1.3	n/a	1.8	n/a	1,100	n/a	0.7	150	26	n/a	320	10	39	1.6	1.6	98	16	n/a	n/a	n/a	n/a	150,000	58,000	n/a	3.4	3.2	110	640	4.7	20	n/a	1.1
BC Standard																																								
CSR Drinking Water (DW)			730	16	100	51	6.1	5	30	46	100	950	100	0.34	3	n/a	1	7,300	3,700	5	14	370	730	50	9.9	n/a	n/a	n/a	22,000	2,900	370	26	3.4	30	10,000	12	5	11,000	2	
CSR Aquatic Life (AW) ^c			n/a	n/a	n/a	n/a	n/a	130	13	n/a	20	n/a	n/a	n/a	7	1,500	260	n/a	n/a	1,000	n/a	n/a	n/a	980	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1,100	n/a	n/a	200	n/a	n/a	

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< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

^a Laboratory detection limit exceeds regulatory standard/guideline.

^b Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^c Standard to protect freshwater aquatic life.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
BOLD	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
OUTLINE	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

TABLE 17: Summary of Analytical Results for Glycols in Groundwater

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Glycols			
			Diethylene glycol mg/L	Ethylene glycol mg/L	Propylene glycol mg/L	Triethylene glycol mg/L
BH12M	BH12M	2005 11 04	< 5	< 5	< 5	< 10
	GR14	Duplicate	< 5	< 5	< 5	< 10
	QA/QC RPD%		*	*	*	*
BH46M	BH46M	2006 08 18	< 5	< 5	< 5	< 10
BH31M	BH31M	2005 11 04	< 5	< 5	< 5	< 10
BH32M	BH32M	2005 11 04	< 5	< 5	< 5	< 10
Tap 5	Tap5	2006 08 20	< 5	< 5	< 5	< 10
Well	Well	2005 11 04	< 5	< 5	< 5	< 10
	Well	2006 08 20	< 5	< 5	< 5	< 10
Federal Guideline						
Canadian Drinking Water Quality Guidelines (CDWQG)			n/a	n/a	n/a	n/a
FGQG Tier 2 Residential Land Use (RL) ^a			n/a	190	500	n/a
BC Standard						
CSR Drinking Water (DW)			n/a	n/a	18	n/a
CSR Aquatic Life (AW) ^b			n/a	1,920	5,000	n/a

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- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

SHADED	Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline
<u>BOLD</u>	Concentration greater than FGQG Tier 2 Residential Land Use (RL) Guideline
<u>OUTLINE</u>	Concentration greater than CSR Drinking Water (DW) standard
SHADOW	Concentration greater than CSR Aquatic Life (AW) standard

^a Pathways Included: Freshwater Aquatic Life - Fine & Coarse, Inhalation - Fine & Coarse, Soil Organisms Direct Contact - Fine & Coarse (whichever is most stringent).

^b Standard to protect freshwater aquatic life.

TABLE 18: Summary of Analytical Results for HCs in Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons					Gross Parameters				
			Benzene µg/L	Ethylbenzene µg/L	Toluene µg/L	Xylenes µg/L	Styrene µg/L	VH (C6-C10) µg/L	VPH (C6-C10) µg/L	EPH (C10-C19) µg/L	LEPH (C10-C19) ^c µg/L	EPH (C19-C32) µg/L
TRSW-1	TRSW-1	2006 07 31	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250 ^a	< 250
	GRSW-1	Duplicate	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250 ^a	< 250
	QA/QC RPD%		*	*	*	*	*	*	*	*	*	*
TRSW-2	TRSW-2	2006 07 31	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 100	< 100	< 250	< 250 ^a	< 250
Federal Guideline												
CCME CEQG Aquatic Life (AW) ^b			370	90	2	n/a	72	n/a	n/a	n/a	n/a	n/a
BC Guideline												
BCWQG Aquatic Life (AW) ^b			40	200	0.5	30	72	n/a	150 ^d	n/a	50 ^d	n/a

All terms defined within the body of SNC-Lavalin's report.

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- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD Concentration greater than CCME CEQG Aquatic Life (AW) Guideline

SHADOW Concentration greater than BCWQG Aquatic Life (AW) guideline

^a Laboratory detection limit exceeds regulatory guideline.

^b Guideline to protect freshwater aquatic life.

^c Values have not been corrected for the presence of individual PAH.

^d CSR AW standards as per Technical Guidance 15.

TABLE 19: Summary of Analytical Results for PAHs in Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Polycyclic Aromatic Hydrocarbons											
			Naphthalene µg/L	Acenaphthene µg/L	Fluorene µg/L	Phenanthrene µg/L	Anthracene µg/L	Acridine µg/L	Fluoranthene µg/L	Pyrene µg/L	Benzo(a)anthracene µg/L	Chrysene µg/L	Benzo(a)pyrene µg/L	Quinoline µg/L
TRSW-1	TRSW-1	2006 07 31	< 0.3	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	< 0.5
	GRSW-1	Duplicate	< 0.3	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	< 0.5
	QA/QC RPD%		*	*	*	*	*	*	*	*	*	*	*	*
TRSW-2	TRSW-2	2006 07 31	< 0.3	< 0.1	< 0.05	< 0.05	< 0.01	< 0.05	< 0.04	< 0.02	< 0.01	< 0.01	< 0.01	< 0.5
Federal Guideline														
CCME CEQG Aquatic Life (AW) ^a			1.1	5.8	3	0.4	0.012	4.4	0.04	0.025	0.018	n/a	0.015	3.4
BC Guideline														
BCWQG Aquatic Life (AW) ^a			1	6	12	0.3	0.1	0.05	0.2	0.02	0.1	n/a	0.01	3.4

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- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD Concentration greater than CCME CEQG Aquatic Life (AW) Guideline

SHADOW Concentration greater than BCWQG Aquatic Life (AW) guideline

^a Guideline to protect freshwater aquatic life.

TABLE 20: Summary of Analytical Results for Total Metals in Surface Water

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Phys	Total Metals																																	
			Hardnes mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Potassium mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Strontium mg/L	Thallium mg/L	Tin mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L				
TRSW-1	TRSW-1	2006 07 31	483	0.017	0.0005	0.0006	0.092	< 0.0002 ^a	0.03	0.00004	-	< 0.0002	< 0.0002	0.0007	<u>0.36</u>	< 0.0002	-	-	0.023	< 0.00002	0.0098	0.003	-	<u>0.0037</u>	< 0.00005	-	0.435	< 0.00002	< 0.0002	0.0003	0.0046	-	0.002				
	GRSW-1	Duplicate	424	0.008	0.0004	0.0006	0.083	< 0.0002 ^a	0.03	< 0.00004	-	< 0.0002	< 0.0002	0.003	<u>0.31</u>	0.0011	-	-	0.021	< 0.00002	0.009	0.0028	-	<u>0.0034</u>	< 0.00005	-	0.392	< 0.00002	< 0.0002	0.0002	0.0042	-	0.02				
	QA/QC RPD%		13	*	*	*	*	*	*	*	-	*	*	*	*	*	-	-	*	*	*	*	-	*	*	-	*	*	*	*	*	*	-	*			
	TR SW-1(7th)	2008 10 09	494	0.029	< 0.001	< 0.001	0.07	< 0.001 ^a	< 0.05	< 0.0002 ^a	133	< 0.001	< 0.002	< 0.001	0.29	< 0.002	0.023	39.4	0.022	< 0.00002	0.0087	0.002	1.2	<u>0.004</u>	< 0.0005	7.77	0.42	< 0.0002	< 0.002	0.006	0.0057	< 0.002	0.009				
TRSW-2	TRSW-2	2006 07 31	455	0.009	0.0004	0.0006	0.087	< 0.0002 ^a	0.03	< 0.00004	-	< 0.0002	< 0.0002	0.0006	<u>0.31</u>	< 0.0002	-	-	0.022	< 0.00002	0.0094	0.0029	-	<u>0.0036</u>	< 0.00005	-	0.404	< 0.00002	< 0.0002	0.0002	0.0044	-	0.002				
	TR SW-2(7th)	2008 10 09	501	0.013	< 0.001	< 0.001	0.07	< 0.001 ^a	< 0.05	< 0.0002 ^a	133	< 0.001	< 0.002	< 0.001	<u>0.32</u>	< 0.002	0.024	40.7	0.024	< 0.00002	0.0087	0.003	1.2	<u>0.005</u>	< 0.0005	4.85	0.42	< 0.0002	< 0.002	< 0.001	0.0058	< 0.002	< 0.01				
Federal Guideline																																					
CCME CEQG Aquatic Life (AW) ^b				0.1 ^c	n/a	0.005	n/a	n/a	1.5	0.00009	n/a	0.001	n/a	0.004	0.3	0.007	n/a	n/a	n/a	0.000026	0.073	0.15	n/a	0.001	0.00025	n/a	n/a	0.0008	n/a	n/a	0.015	n/a	0.03				
BC Guideline																																					
BCWQG Aquatic Life (AW) ^b				0.05 ^{c,d}	n/a	0.005	1	0.00013	1.2	0.0006 - 0.0007 ^e	n/a	0.001	0.004	0.02	1	0.02 - 0.03 ^e	n/a	n/a	2.5 - 2.8 ^e	n/a	1	0.025	n/a	0.002	0.0015	n/a	n/a	0.0008	n/a	n/a	0.0085	n/a	0.3				

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n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

BOLD	Concentration greater than CCME CEQG Aquatic Life (AW) Guideline
SHADOW	Concentration greater than BCWQG Aquatic Life (AW) guideline

^a Laboratory detection limit exceeds regulatory standard/guideline.

^b Guideline to protect freshwater aquatic life.

^c Guideline is pH dependent; based on groundwater data, site pH is > 6.5.

^d Guideline is for dissolved concentrations.

^e Guideline varies with hardness.

TABLE 21: Summary of Analytical Results for Soil Vapour

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Screen Interval (m)	Monocyclic Aromatic Hydrocarbons					Gross Parameters				Petroleum Hydrocarbon Fractions								PAHs	Volatile Organic Compounds											
				Benzene ug/m3	Ethylbenzene ug/m3	Toluene ug/m3	Xylenes ug/m3	Styrene ug/m3	VHv6-13 ug/m3	VPHv (C6-C13) ug/m3	F1 (C6-C10) ug/m3	F2 (>C10-C16) ug/m3	Aliphatics C6-C8 ug/m3	Aliphatics >C8-C10 ug/m3	Aliphatics >C10-C12 ug/m3	Aliphatics >C12-C16 ug/m3	Aromatics C6-C8 ug/m3	Aromatics >C8-C10 ug/m3	Aromatics >C10-C12 ug/m3	Aromatics >C12-C16 ug/m3		1,3- Butadiene ug/m3	n- Decane ug/m3	1,2-Di bromo ethane ug/m3	1,2-Dichloro ethane ug/m3	n- Hexane ug/m3	Isopropyl benzene ug/m3	MTBE ug/m3	Methyl cyclo hexane ug/m3	1,2,3-Tri methyl benzene ug/m3	1,2,4-Tri methyl benzene ug/m3	1,3,5-Tri methyl benzene ug/m3	
MSV1	MSV1	2010 09 10	1.1 - 1.3	< 3.1	4.6	< 8.4	16.6	5.1	< 2,100.0	< 2,100.0	< 1,300.0	< 840.0	< 2,100.0	< 2,100.0	< 2,100.0	< 2,100.0	-	< 2,100.0	< 2,100.0	< 2,100.0	< 2,100.0	< 6.3	< 4.2	< 10.0	< 1.0	< 0.84	< 10.0	< 10.0	< 10.0	< 10.0	-	7.6	< 2.1
	MSV1-W18	2013 08 05	1.1 - 1.3	< 2.4	< 2.4	< 2.4	< 7.4	-	< 124	< 124	-	-	-	-	-	-	-	-	-	-	< 2.4	< 2.4	-	< 1.24	< 0.5	-	-	< 24	< 5	-	< 5	< 2.4	
MSV2	MSV2(2010)	2010 09 10	1.1 - 1.3	10.4	4.4	14.5	17.2	4.8	< 2,200.0	< 2,200.0	< 1,300.0	< 870.0	< 2,200.0	< 2,200.0	< 2,200.0	< 2,200.0	-	< 2,200.0	< 2,200.0	< 2,200.0	< 6.5	< 4.3	< 11.0	< 1.1	< 0.87	< 11.0	< 1.1	< 11.0	< 11.0	-	6.5	< 2.2	
	MSV2	2011 10 16	1.1 - 1.3	11	< 1.9	< 19	< 9.5	4.8	< 3,800	< 3,800	-	-	< 1,900	< 1,900	< 1,900	2,700	< 19	< 95	< 95	< 95	21	< 3.8	< 5.7	< 1.9	< 0.57	< 19	< 1.9	< 3.8	4.2	< 19	< 3.8	< 3.8	
	MSV2(Aug2012)	2012 08 13	1.1 - 1.3	1	< 2	< 4	< 2	< 2	-	< 400	-	-	-	-	-	-	-	-	-	-	< 2	< 2	< 6	< 1	< 0.4	< 6	< 6	< 4	< 6	-	< 4	< 4	
	2460-SVDUP1(Aug2012)	Duplicate	1.1 - 1.3	1	< 2	< 4	< 2	< 2	-	< 400	-	-	-	-	-	-	-	-	-	-	< 2	< 2	< 6	< 1	< 0.4	< 6	< 6	< 4	< 6	-	< 4	< 4	
	QA/QC RPD%			*	*	*	*	*	-	*	-	-	-	-	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	-	*	*
	MSV2-W18	2013 08 05	1.1 - 1.3	< 2.4	< 2.4	< 2.4	< 7.4	-	< 124	< 124	-	-	-	-	-	-	-	-	-	-	< 2.4	< 2.4	-	< 1.24	< 0.5	-	-	< 24	< 5	-	< 5	< 2.4	
	MSV2-140822	2014 08 22	1.1 - 1.3	< 1.3	< 1.3	1.5	< 3.8	-	387	382	-	-	-	-	-	-	-	-	-	-	< 1.3	< 1.3	3.5	< 0.63	< 0.25	< 1.3	-	< 13	< 2.5	-	3.4	< 1.3	
SSV1	SSV1(2010)	2010 09 10	0 - 0.2	< 3.1	14.8	< 8.4	186	6.8	< 2,100.0	< 2,100.0	< 1,300.0	1,050	< 2,100.0	< 2,100.0	< 2,100.0	< 2,100.0	-	< 2,100.0	< 2,100.0	< 2,100.0	< 6.3	< 4.2	< 10.0	< 1.0	< 0.84	< 10.0	21.2	< 10.0	< 10.0	-	372	525	
	SSV1	2011 10 16	0 - 0.2	5.2	< 2	< 20	10	5.2	< 4,000	< 4,000	-	-	< 2,000	< 2,000	< 2,000	4,800	< 20	< 100	< 100	< 100	20	< 4	< 6	< 2	< 0.6	< 20	< 2	< 4	< 4	< 20	< 4	< 4	
	SSV1(Aug2012)	2012 08 13	0 - 0.2	< 1	9	< 4	67	< 2	-	23,800	-	-	-	-	-	-	-	-	-	-	< 2	< 2	399	< 1	< 0.4	< 6	11	< 4	7	-	287	162	
	SSV1-W18	2013 08 05	0 - 0.2	< 2.6	< 2.6	< 2.6	< 7.6	-	< 126	< 126	-	-	-	-	-	-	-	-	-	-	< 2.6	< 2.6	-	< 1.26	< 0.5	-	-	< 26	< 5	-	< 5	< 2.6	
	SV13-A-W18	Duplicate	0 - 0.2	< 2.6	< 2.6	< 2.6	< 7.6	-	< 126	< 126	-	-	-	-	-	-	-	-	-	-	< 2.6	< 2.6	-	< 1.26	< 0.5	-	-	< 26	< 5	-	< 5	< 2.6	
	QA/QC RPD%			*	*	*	*	*	-	*	*	-	-	-	-	-	-	-	-	-	*	*	-	*	*	-	-	*	*	-	*	*	
	SSV1-140818	2014 08 18	0 - 0.2	< 1.3	2.3	22.6	12.1	-	< 63	< 63	-	-	-	-	-	-	-	-	-	-	< 1.3	< 1.3	3.9	< 0.63	< 0.25	< 1.3	-	< 13	< 2.5	-	< 2.5	< 1.3	
TSV1	TSV1(2010)	2010 09 10	1.1 - 1.3	15.8	1.68	7.8	7.5	1.74	< 1,000.0	< 1,000.0	< 630.0	< 420.0	< 1,000.0	< 1,000.0	< 1,000.0	< 1,000.0	-	< 1,000.0	< 1,000.0	< 1,000.0	< 3.1	< 2.1	< 5.2	< 0.52	< 0.42	< 5.2	< 0.52	< 5.2	< 5.2	-	3.1	< 1.0	
	TSV1	2011 10 16	1.1 - 1.3	3.3	0.8	7.5	5	1.2	< 1,000	< 1,000	-	-	< 500	< 500	< 500	750	11	< 25	< 25	< 25	1.5	< 1	< 1.5	< 0.5	< 0.15	< 5	< 0.5	< 1	< 1	< 5	< 1	< 1	
	TSV1(Aug2012)	2012 08 13	1.1 - 1.3	1	< 2	< 4	6	< 2	-	570	-	-	-	-	-	-	-	-	-	-	< 2	< 2	< 6	< 1	< 0.4	< 6	< 6	< 4	< 6	-	< 4	< 4	
	TSV1-W18	2013 08 05	1.1 - 1.3	< 2.6	< 2.6	< 2.6	< 7.8	-	< 128	< 128	-	-	-	-	-	-	-	-	-	-	< 2.6	< 2.6	-	< 1.28	< 0.52	-	-	< 26	< 5.2	-	< 5.2	< 2.6	
	TSV1-140822	2014 08 22	1.1 - 1.3	< 1.3	< 1.3	< 1.3	< 3.8	-	< 63	< 63	-	-	-	-	-	-	-	-	-	-	< 1.3	< 1.3	< 2.5	< 0.63	< 0.25	< 1.3	-	< 13	< 2.5	-	< 2.5	< 1.3	
	VW14-A-140822	Duplicate	1.1 - 1.3	< 1.3	< 1.3	< 1.3	< 3.8	-	< 63	< 63	-	-	-	-	-	-	-	-	-	-	< 1.3	< 1.3	< 2.5	< 0.63	< 0.25	< 1.3	-	< 13	< 2.5	-	< 2.5	< 1.3	
	QA/QC RPD%			*	*	*	*	-	*	*	-	-	-	-	-	-	-	-	-	-	*	*	*	*	*	*	-	*	*	-	*	*	

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

TABLE 22: Summary of Analytical Results for Estimated Indoor Air Concentrations

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Screen Interval	Attenuation Factor	Monocyclic Aromatic Hydrocarbons					Gross Parameters				Petroleum Hydrocarbon Fractions								PAHs		Volatile Organic Compounds										
					Benzene ug/m3	Ethylbenzene ug/m3	Toluene ug/m3	Xylenes ug/m3	Styrene ug/m3	VHv6-13 ug/m3	VPHv (C6-C13) ug/m3	F1 (C6-C10) ug/m3	F2 (>C10-C16) ug/m3	Aliphatics C6-C8 ug/m3	Aliphatics >C8-C10 ug/m3	Aliphatics >C10-C12 ug/m3	Aliphatics >C12-C16 ug/m3	Aromatics C6-C8 ug/m3	Aromatics >C8-C10 ug/m3	Aromatics >C10-C12 ug/m3	Aromatics >C12-C16 ug/m3	Naphthalen ug/m3	1,3-Butadiene ug/m3	n-Decane ug/m3	1,2-Di bromo ethane ug/m3	1,2-Dichloro ethane ug/m3	n-Hexane ug/m3	Isopropyl benzene ug/m3	MTBE ug/m3	Methyl cyclo hexane ug/m3	1,2,3-Tri methyl benzene ug/m3	1,2,4-Tri methyl benzene ug/m3	1,3,5-Tri methyl benzene ug/m3	
MSV1	MSV1	2010 09 10	1.1 - 1.3	2.8 x 10 ⁻³	< 0.00868	0.01288	< 0.02352	0.04648	0.01428	< 5.88	< 5.88	< 3.64	< 2.352	< 5.88	< 5.88	< 5.88	< 5.88	-	< 5.88	< 5.88	< 5.88	< 0.01764	< 0.01176	< 0.028	< 0.0028	< 0.002352	< 0.028	< 0.0028	< 0.028	< 0.028	-	0.02128	< 0.00588	
	MSV1-W18	2013 08 05	1.1 - 1.3	2.8 x 10 ⁻³	< 0.00672	< 0.00672	< 0.00672	< 0.02072	-	< 0.3472	< 0.3472	-	-	-	-	-	-	-	-	-	-	< 0.00672	< 0.00672	-	< 0.003472	< 0.0014	-	-	< 0.0672	< 0.014	-	< 0.014	< 0.00672	
MSV2	MSV2(2010)	2010 09 10	1.1 - 1.3	2.8 x 10 ⁻³	0.02912	0.01232	0.0406	0.04816	0.01344	< 6.16	< 6.16	< 3.64	< 2.436	< 6.16	< 6.16	< 6.16	< 6.16	-	< 6.16	< 6.16	< 6.16	< 0.0182	< 0.01204	< 0.0308	< 0.00308	< 0.002436	< 0.0308	< 0.00308	< 0.0308	< 0.0308	< 0.0308	-	0.0182	< 0.00616
	MSV2	2011 10 16	1.1 - 1.3	2.8 x 10 ⁻³	0.0308	< 0.00532	< 0.0532	< 0.0266	0.01344	< 10.64	< 10.64	-	-	< 5.32	< 5.32	< 5.32	7.56	< 0.0532	< 0.266	< 0.266	< 0.266	0.0588	< 0.01064	< 0.01596	< 0.00532	< 0.001596	< 0.0532	< 0.00532	< 0.01064	0.01176	< 0.0532	< 0.01064	< 0.01064	
	MSV2(Aug2012)	2012 08 13	1.1 - 1.3	2.8 x 10 ⁻³	0.0028	< 0.0056	< 0.0112	< 0.0056	< 0.0056	-	< 1.12	-	-	-	-	-	-	-	-	-	-	< 0.0056	< 0.0056	< 0.0168	< 0.0028	< 0.00112	< 0.0168	< 0.0168	< 0.0112	< 0.0168	-	< 0.0112	< 0.0112	
	2460-SVDUP1(Aug2012)	Duplicate	1.1 - 1.3	2.8 x 10 ⁻³	0.0028	< 0.0056	< 0.0112	< 0.0056	< 0.0056	-	< 1.12	-	-	-	-	-	-	-	-	-	-	< 0.0056	< 0.0056	< 0.0168	< 0.0028	< 0.00112	< 0.0168	< 0.0168	< 0.0112	< 0.0168	-	< 0.0112	< 0.0112	
	QA/QC RPD%				*	*	*	*	*	-	*	-	-	-	-	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	-	*	*	
	MSV2-W18	2013 08 05	1.1 - 1.3	2.8 x 10 ⁻³	< 0.00672	< 0.00672	< 0.00672	< 0.02072	-	< 0.3472	< 0.3472	-	-	-	-	-	-	-	-	-	-	< 0.00672	< 0.00672	-	< 0.003472	< 0.0014	-	-	< 0.0672	< 0.014	-	< 0.014	< 0.00672	
	MSV2-140822	2014 08 22	1.1 - 1.3	2.8 x 10 ⁻³	< 0.00364	< 0.00364	0.0042	< 0.01064	-	1.0836	1.0696	-	-	-	-	-	-	-	-	-	-	< 0.00364	< 0.00364	0.0098	< 0.001764	< 0.0007	< 0.00364	-	< 0.0364	< 0.007	-	0.00952	< 0.00364	
SSV1	SSV1(2010)	2010 09 10	0 - 0.2	2.0 x 10 ⁻²	< 0.062	0.296	< 0.168	3.72	0.136	< 42	< 42	< 26	21	< 42	< 42	< 42	< 42	-	< 42	< 42	< 42	< 0.126	< 0.084	< 0.2	< 0.02	< 0.0168	< 0.2	0.424	< 0.2	< 0.2	-	7.44	10.5	
	SSV1	2011 10 16	0 - 0.2	2.0 x 10 ⁻²	0.104	< 0.04	< 0.4	0.2	0.104	< 80	< 80	-	-	< 40	< 40	< 40	96	< 0.4	< 2	< 2	< 2	0.4	< 0.08	< 0.12	< 0.04	< 0.012	< 0.4	< 0.04	< 0.08	< 0.08	< 0.4	< 0.08	< 0.08	
	SSV1(Aug2012)	2012 08 13	0 - 0.2	2.0 x 10 ⁻²	< 0.02	0.18	< 0.08	1.34	< 0.04	-	476	-	-	-	-	-	-	-	-	-	-	< 0.04	< 0.04	7.98	< 0.02	< 0.008	< 0.12	0.22	< 0.08	0.14	-	5.74	3.24	
	SSV1-W18	2013 08 05	0 - 0.2	2.0 x 10 ⁻²	< 0.052	< 0.052	< 0.052	< 0.152	-	< 2.52	< 2.52	-	-	-	-	-	-	-	-	-	-	< 0.052	< 0.052	-	< 0.0252	< 0.01	-	-	< 0.52	< 0.1	-	< 0.1	< 0.052	
	SV13-A-W18	Duplicate	0 - 0.2	2.0 x 10 ⁻²	< 0.052	< 0.052	< 0.052	< 0.152	-	< 2.52	< 2.52	-	-	-	-	-	-	-	-	-	-	< 0.052	< 0.052	-	< 0.0252	< 0.01	-	-	< 0.52	< 0.1	-	< 0.1	< 0.052	
	QA/QC RPD%				*	*	*	*	-	*	*	-	-	-	-	-	-	-	-	-	-	*	*	-	*	*	*	*	*	*	-	*	*	
	SSV1-140818	2014 08 18	0 - 0.2	2.0 x 10 ⁻²	< 0.026	0.046	0.452	0.242	-	< 1.26	< 1.26	-	-	-	-	-	-	-	-	-	-	< 0.026	< 0.026	0.078	< 0.0126	< 0.005	< 0.026	-	< 0.26	< 0.05	-	< 0.05	< 0.026	
TSV1	TSV1(2010)	2010 09 10	1.1 - 1.3	2.8 x 10 ⁻³	0.04424	0.004704	0.02184	0.021	0.004872	< 2.8	< 2.8	< 1.764	< 1.176	< 2.8	< 2.8	< 2.8	< 2.8	-	< 2.8	< 2.8	< 2.8	< 0.00868	< 0.00588	< 0.01456	< 0.001456	< 0.001176	< 0.01456	< 0.001456	< 0.01456	< 0.01456	-	0.00868	< 0.0028	
	TSV1	2011 10 16	1.1 - 1.3	2.8 x 10 ⁻³	0.00924	0.00224	0.021	0.014	0.00336	< 2.8	< 2.8	-	-	< 1.4	< 1.4	< 1.4	2.1	0.0308	< 0.07	< 0.07	< 0.07	0.0042	< 0.0028	< 0.0042	< 0.0014	< 0.00042	< 0.014	< 0.0014	< 0.0028	< 0.0028	< 0.014	< 0.0028	< 0.0028	
	TSV1(Aug2012)	2012 08 13	1.1 - 1.3	2.8 x 10 ⁻³	0.0028	< 0.0056	< 0.0112	0.0168	< 0.0056	-	1.596	-	-	-	-	-	-	-	-	-	-	< 0.0056	< 0.0056	< 0.0168	< 0.0028	< 0.00112	< 0.0168	< 0.0168	< 0.0112	< 0.0168	-	< 0.0112	< 0.0112	
	TSV1-W18	2013 08 05	1.1 - 1.3	2.8 x 10 ⁻³	< 0.00728	< 0.00728	< 0.00728	< 0.02184	-	< 0.3584	< 0.3584	-	-	-	-	-	-	-	-	-	-	< 0.00728	< 0.00728	-	< 0.003584	< 0.001456	-	< 0.0728	< 0.01456	-	< 0.01456	< 0.00728		
	TSV1-140822	2014 08 22	1.1 - 1.3	2.8 x 10 ⁻³	< 0.00364	< 0.00364	< 0.00364	< 0.01064	-	< 0.1764	< 0.1764	-	-	-	-	-	-	-	-	-	-	< 0.00364	< 0.00364	< 0.007	< 0.001764	< 0.0007	< 0.00364	-	< 0.0364	< 0.007	-	< 0.007	< 0.00364	
	VW14-A-140822	Duplicate	1.1 - 1.3	2.8 x 10 ⁻³	< 0.00364	< 0.00364	< 0.00364	< 0.01064	-	< 0.1764	< 0.1764	-	-	-	-	-	-	-	-	-	-	< 0.00364	< 0.00364	< 0.007	< 0.001764	< 0.0007	< 0.00364	-	< 0.0364	< 0.007	-	< 0.007	< 0.00364	
QA/QC RPD%				*	*	*	*	-	*	*	-	-	-	-	-	-	-	-	-	-	*	*	*	*	*	*	*	-	*	*	-	*	*	
BC Standard																																		
CSR Residential Land Use (RL)					1.5	1,000	5,000	100	1,000	n/a	1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3	2	2,500	1	0.4	700	400	3,000	3,000	n/a	6	6	

All terms defined within the body of SNC-Lavalin's report.
< Denotes concentration less than indicated detection limit or RPD less than indicated value.
- Denotes analysis not conducted.
n/a Denotes no applicable standard/guideline.
* RPDs are not calculated where one or more concentrations are less than five times RDL.

SHADOW Concentration greater than CSR Residential Land Use (RL) Standard

TABLE 23: Summary of Analytical Results for Estimated Outdoor Air Concentrations

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Screen Interval	Attenuation Factor	Monocyclic Aromatic Hydrocarbons					Gross Parameters				Petroleum Hydrocarbon Fractions								PAHs		Volatile Organic Compounds																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
					Benzene ug/m3	Ethylbenzene ug/m3	Toluene ug/m3	Xylenes ug/m3	Styrene ug/m3	VHv6-13 ug/m3	VPHv (C6-C13) ug/m3	F1 (C6-C10) ug/m3	F2 (>C10-C16) ug/m3	Aliphatics C6-C8 ug/m3	Aliphatics >C8-C10 ug/m3	Aliphatics >C10-C12 ug/m3	Aliphatics >C12-C16 ug/m3	Aromatics C6-C8 ug/m3	Aromatics >C8-C10 ug/m3	Aromatics >C10-C12 ug/m3	Aromatics >C12-C16 ug/m3	Naphthalene ug/m3	1,3-Butadiene ug/m3	n-Decane ug/m3	1,2-Di bromo ethane ug/m3	1,2-Dichloro ethane ug/m3	n-Hexane ug/m3	Isopropyl benzene ug/m3	MTBE ug/m3	Methyl cyclo hexane ug/m3	1,2,3-Tri methyl benzene ug/m3	1,2,4-Tri methyl benzene ug/m3	1,3,5-Tri methyl benzene ug/m3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
MSV1	MSV1	2010 09 10	1.1 - 1.3	1.5 x 10 ⁻⁶	< 0.00000465	0.0000069	< 0.0000126	0.0000249	0.00000765	< 0.00315	< 0.00315	< 0.00195	< 0.00126	< 0.00315	< 0.00315	< 0.00315	< 0.00315	< 0.00315	< 0.00315	< 0.00000945	< 0.0000063	< 0.000015	< 0.0000015	< 0.00000126	< 0.000015	< 0.0000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.00

All terms defined within the body of SNC-Lavalin's report.
< Denotes concentration less than indicated detection limit or RPD less than indicated value.
- Denotes analysis not conducted.
n/a Denotes no applicable standard/guideline.
* RPDs are not calculated where one or more concentrations are less than five times RDL.

SHADOW Concentration greater than CSR Residential Land Use (RL) Standard

TABLE 24: Summary of Analytical Results for Ambient Air

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Monocyclic Aromatic Hydrocarbons					Gross Parameters				Petroleum Hydrocarbon Fractions								PAHs		Volatile Organic Compounds										
			Benzene ug/m3	Ethylbenzene ug/m3	Toluene ug/m3	Xylenes ug/m3	Styrene ug/m3	VHv6-13 ug/m3	VPHv (C6-C13) ug/m3	F1 (C6-C10) ug/m3	F2 (>C10-C16) ug/m3	Aliphatics C6-C8 ug/m3	Aliphatics >C8-C10 ug/m3	Aliphatics >C10-C12 ug/m3	Aliphatics >C12-C16 ug/m3	Aromatics C6-C8 ug/m3	Aromatics >C8-C10 ug/m3	Aromatics >C10-C12 ug/m3	Aromatics >C12-C16 ug/m3	Naphthalen ug/m3	1,3-Butadiene ug/m3	n-Decane ug/m3	1,2-Di bromo ethane ug/m3	1,2-Dichloro ethane ug/m3	n-Hexane ug/m3	Isopropyl benzene ug/m3	MTBE ug/m	Methyl cyclo hexane ug/m3	1,2,3-Tri methyl benzene ug/m3	1,2,4-Tri methyl benzene ug/m3	1,3,5-Tri methyl benzene ug/m3	
MMA	MAA(2010)	2010 09 10	7.6	21.2	35.8	82.1	18.2	< 2,200.0	< 2,200.0 ^a	< 1,300.0	< 870.0	< 2,200.0	< 2,200.0	< 2,200.0	< 2,200.0	-	< 2,200.0	< 2,200.0	< 2,200.0	< 6.5 ^a	< 4.3 ^a	33	< 1.1 ^a	< 0.87 ^a	< 11.0	< 1.1	< 11.0	< 11.0	-	32.7	4.8	
	GR1(MAA)	Duplicate	5.7	13.1	28.7	56	9.3	< 2,100.0	< 2,100.0 ^a	< 1,300.0	< 840.0	< 2,100.0	< 2,100.0	< 2,100.0	-	< 2,100.0	< 2,100.0	< 2,100.0	< 6.3 ^a	< 4.2 ^a	26	< 1.0	< 0.84 ^a	< 10.0	< 1.0	< 10.0	< 10.0	-	24.4	4.3		
	QA/QC RPD%		*	47	22	38	65	*	*	*	*	*	*	*	-	*	*	*	*	*	*	24	*	*	*	*	*	*	*	-	29	*
	MAA	2011 10 16	11	15	80	88	5.5	< 4,100	< 4,100 ^a	-	-	< 2,000	< 2,000	< 2,000	3,100	90	160	< 100	< 100	14	< 4.1 ^a	27	< 2 ^a	< 0.61 ^a	25	< 2	< 4.1	14	< 20	39	9	
	GR2	Duplicate	12	16	61	91	5.5	< 4,000	< 4,000 ^a	-	-	< 2,000	< 2,000	< 2,000	3,000	73	160	< 100	< 100	11	< 4 ^a	26	< 2 ^a	< 0.61 ^a	< 20	< 2	< 4	12	< 20	38	8.9	
	QA/QC RPD%		9	6	27	3	0	*	*	*	*	*	*	*	3	21	0	*	*	*	24	*	4	*	*	*	*	*	*	*	-	3
OAA	OAA(2010)	2010 09 10	< 1.6 ^a	0.98	< 4.3	3.1	1.47	< 1,100.0	< 1,100.0 ^a	< 650.0	< 430.0	< 1,100.0	< 1,100.0	< 1,100.0	< 1,100.0	-	< 1,100.0	< 1,100.0	< 1,100.0	< 3.3 ^a	< 2.2 ^a	< 5.4	< 0.54	< 0.43 ^a	< 5.4	< 0.54	< 5.4	< 5.4	-	< 3.3	< 1.1	
	OAA	2011 10 16	1.4	< 0.5	36	< 2.5	1.2	< 1,000	< 1,000	-	-	< 500	< 500	< 500	900	38	< 25	< 25	< 25	3.7	< 1	< 1.5	< 0.5	< 0.15	8.5	< 0.5	< 1	< 1	< 5	< 1	< 1	
BC Standard																																
CSR Residential Land Use (RL)			1.5	1,000	5,000	100	1,000	n/a	1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3	2	2,500	1	0.4	700	400	3,000	3,000	n/a	6	6	

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n/a Denotes no applicable standard/guideline.

* RPDs are not calculated where one or more concentrations are less than five times RDL.

SHADOW	Concentration greater than CSR Residential Land Use (RL) Standard
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^a Laboratory detection limit exceeds regulatory standard/guideline.