Maxxam
A Bureau Veritas Group Company

Your Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Your C.O.C. #: 657877-01-01, 657877-02-01

Attention: Report - 160900764

Stantec Consulting Ltd
Clarington
ON
Canada

Report Date: 2018/05/02
Report #: R5100322
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B890096
Received: 2018/04/20, 10:54

Sample Matrix: Water
Samples Received: 21

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Methylnaphthalene Sum	17	N/A	2018/04/30	CAM SOP-00301	EPA 8270D m
Methylnaphthalene Sum	2	N/A	2018/05/02	CAM SOP-00301	EPA 8270D m
ABN Compounds in Water by SIM GC/MS	5	2018/04/23	2018/04/27	CAM SOP-00301	EPA 8270 m
ABN Compounds in Water by SIM GC/MS	13	2018/04/23	2018/04/28	CAM SOP-00301	EPA 8270 m
ABN Compounds in Water by SIM GC/MS	3	2018/04/30	2018/05/01	CAM SOP-00301	EPA 8270 m
Acidity (CaCO3) in water (1)	7	N/A	2018/04/26		SM 22 2310
Alkalinity	7	N/A	2018/04/23	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide	7	N/A	2018/04/24	CAM SOP-00102	APHA 4500-CO2 D
1,3-Dichloropropene Sum	1	N/A	2018/04/24		EPA 8260C m
1,3-Dichloropropene Sum	9	N/A	2018/04/26		EPA 8260C m
Chloride by Automated Colourimetry	7	N/A	2018/04/22	CAM SOP-00463	EPA 325.2 m
Conductivity	7	N/A	2018/04/23	CAM SOP-00414	SM 23 2510 m
Chromium (VI) in Water	7	N/A	2018/04/26	CAM SOP-00436	EPA 7199 m
Free (WAD) Cyanide	7	N/A	2018/04/23	CAM SOP-00457	OMOE E3015 m
Dissolved Organic Carbon (DOC) (2)	6	N/A	2018/04/21	CAM SOP-00446	SM 23 5310 B m
Dissolved Organic Carbon (DOC) (2)	1	N/A	2018/04/24	CAM SOP-00446	SM 23 5310 B m
Petroleum Hydrocarbons F2-F4 in Water (3)	7	2018/04/25	2018/04/26	CAM SOP-00316	CCME PHC-CWS m
Fluoride	7	2018/04/21	2018/04/23	CAM SOP-00449	SM 23 4500-F C m
Hardness (calculated as CaCO3)	7	N/A	2018/04/24	CAM SOP 00102/00408/00447	SM 2340 B
Mercury	3	2018/04/24	2018/04/24	CAM SOP-00453	EPA 7470A m
Mercury	1	2018/04/24	2018/04/25	CAM SOP-00453	EPA 7470A m
Mercury	3	2018/04/25	2018/04/25	CAM SOP-00453	EPA 7470A m
Dissolved Metals by ICPMS	7	N/A	2018/04/23	CAM SOP-00447	EPA 6020B m
Ion Balance (% Difference)	7	N/A	2018/04/24		
Anion and Cation Sum	7	N/A	2018/04/24		
Total Ammonia-N	1	N/A	2018/04/26	CAM SOP-00441	EPA GS I-2522-90 m
Total Ammonia-N	6	N/A	2018/04/27	CAM SOP-00441	EPA GS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (4)	5	N/A	2018/04/23	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate (NO3) and Nitrite (NO2) in Water (4)	2	N/A	2018/04/24	CAM SOP-00440	SM 23 4500-NO3I/NO2B

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

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Sample Matrix: Water
Samples Received: 21

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Polychlorinated Biphenyl in Water	7	2018/04/23	2018/04/24	CAM SOP-00309	EPA 8082A m
pH	7	N/A	2018/04/23	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	7	N/A	2018/04/22	CAM SOP-00461	EPA 365.1 m
Sat. pH and Langelier Index (@ 20C)	7	N/A	2018/04/24		
Sat. pH and Langelier Index (@ 4C)	7	N/A	2018/04/24		
Sulphate by Automated Colourimetry	7	N/A	2018/04/23	CAM SOP-00464	EPA 375.4 m
Total Dissolved Solids (TDS calc)	7	N/A	2018/04/24		
Total Dissolved Solids	3	2018/04/23	2018/04/25	CAM SOP-00428	SM 23 2540C m
Total Dissolved Solids	4	2018/04/25	2018/04/25	CAM SOP-00428	SM 23 2540C m
Total Organic Carbon (TOC) (5)	1	N/A	2018/04/24	CAM SOP-00446	SM 23 5310B m
Total Organic Carbon (TOC) (5)	4	N/A	2018/04/25	CAM SOP-00446	SM 23 5310B m
Total Organic Carbon (TOC) (5)	2	N/A	2018/04/26	CAM SOP-00446	SM 23 5310B m
Total Suspended Solids	3	2018/04/23	2018/04/25	CAM SOP-00428	SM 23 2540D m
Total Suspended Solids	2	2018/04/23	2018/04/27	CAM SOP-00428	SM 23 2540D m
Total Suspended Solids	1	2018/04/25	2018/04/26	CAM SOP-00428	SM 23 2540D m
Total Suspended Solids	1	2018/04/25	2018/04/27	CAM SOP-00428	SM 23 2540D m
Turbidity	7	N/A	2018/04/21	CAM SOP-00417	SM 23 2130 B m
Volatile Organic Compounds and F1 PHCs	9	N/A	2018/04/25	CAM SOP-00230	EPA 8260C m
Volatile Organic Compounds in Water	1	N/A	2018/04/23	CAM SOP-00228	EPA 8260C m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise

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agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Maxxam Bedford
(2) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
(3) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Maxxam conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.
(4) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
(5) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.

Encryption Key

Ronklin Gracian
Project Manager
02 May 2018 16:34:48

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Deepthi Shaji, Project Manager
Email: dshaji@maxxam.ca
Phone# (905)817-5700 Ext:5807
==========
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

RCAP - COMPREHENSIVE (WATER)

Maxxam ID		GMS638		GMS640		
Sampling Date		2018/04/19 10:04		2018/04/19 10:04		
COC Number		657877-01-01		657877-01-01		
	UNITS	**WG-160900764-20180419-RD09**	**QC Batch**	**WG-160900764-20180419-RD10**	**RDL**	**QC Batch**
Calculated Parameters						
Anion Sum	me/L	4.92	5493630	4.93	N/A	5493630
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	190	5493621	190	1.0	5493621
Calculated TDS	mg/L	250	5493633	260	1.0	5493633
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.3	5493621	1.5	1.0	5493621
Cation Sum	me/L	4.43	5493630	4.46	N/A	5493630
Hardness (CaCO3)	mg/L	190	5494032	200	1.0	5494032
Ion Balance (% Difference)	%	5.19	5493629	5.04	N/A	5493629
Langelier Index (@ 20C)	N/A	0.175	5493631	0.238		5493631
Langelier Index (@ 4C)	N/A	-0.0740	5493632	-0.0120		5493632
Saturation pH (@ 20C)	N/A	7.69	5493631	7.68		5493631
Saturation pH (@ 4C)	N/A	7.94	5493632	7.93		5493632
Inorganics						
Total Ammonia-N	mg/L	0.088	5500439	0.078	0.050	5500439
Conductivity	umho/cm	460	5495618	460	1.0	5495618
Dissolved Organic Carbon	mg/L	0.74	5495645	0.72	0.50	5495648
Orthophosphate (P)	mg/L	<0.010	5495661	<0.010	0.010	5495661
pH	pH	7.86	5495619	7.92		5495619
Dissolved Sulphate (SO4)	mg/L	28	5495660	29	1.0	5495660
Alkalinity (Total as CaCO3)	mg/L	190	5495617	190	1.0	5495617
Dissolved Chloride (Cl)	mg/L	17	5495658	18	1.0	5495658
Nitrite (N)	mg/L	<0.010	5495623	<0.010	0.010	5495622
Nitrate (N)	mg/L	<0.10	5495623	<0.10	0.10	5495622
Nitrate + Nitrite (N)	mg/L	<0.10	5495623	<0.10	0.10	5495622
Metals						
Dissolved Aluminum (Al)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Antimony (Sb)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Arsenic (As)	mg/L	0.0013	5493639	0.0013	0.0010	5493639
Dissolved Barium (Ba)	mg/L	0.11	5493639	0.11	0.0020	5493639
Dissolved Beryllium (Be)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Boron (B)	mg/L	0.028	5493639	0.028	0.010	5493639

RDL = Reportable Detection Limit
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Maxxam ID		GMS638		GMS640		
Sampling Date		2018/04/19 10:04		2018/04/19 10:04		
COC Number		657877-01-01		657877-01-01		
	UNITS	**WG-160900764-20180419-RD09**	**QC Batch**	**WG-160900764-20180419-RD10**	**RDL**	**QC Batch**
Dissolved Cadmium (Cd)	mg/L	<0.00010	5493639	<0.00010	0.00010	5493639
Dissolved Calcium (Ca)	mg/L	27	5493639	27	0.20	5493639
Dissolved Chromium (Cr)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Cobalt (Co)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Copper (Cu)	mg/L	<0.0010	5493639	<0.0010	0.0010	5493639
Dissolved Iron (Fe)	mg/L	0.10	5493639	0.11	0.10	5493639
Dissolved Lead (Pb)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Magnesium (Mg)	mg/L	31	5493639	31	0.050	5493639
Dissolved Manganese (Mn)	mg/L	0.0045	5493639	0.0049	0.0020	5493639
Dissolved Molybdenum (Mo)	mg/L	0.0018	5493639	0.0018	0.00050	5493639
Dissolved Nickel (Ni)	mg/L	<0.0010	5493639	<0.0010	0.0010	5493639
Dissolved Phosphorus (P)	mg/L	<0.10	5493639	<0.10	0.10	5493639
Dissolved Potassium (K)	mg/L	2.4	5493639	2.4	0.20	5493639
Dissolved Selenium (Se)	mg/L	<0.0020	5493639	<0.0020	0.0020	5493639
Dissolved Silicon (Si)	mg/L	10	5493639	10	0.050	5493639
Dissolved Silver (Ag)	mg/L	<0.00010	5493639	<0.00010	0.00010	5493639
Dissolved Sodium (Na)	mg/L	11	5493639	11	0.10	5493639
Dissolved Strontium (Sr)	mg/L	0.54	5493639	0.54	0.0010	5493639
Dissolved Thallium (Tl)	mg/L	<0.000050	5493639	<0.000050	0.000050	5493639
Dissolved Titanium (Ti)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Uranium (U)	mg/L	<0.00010	5493639	<0.00010	0.00010	5493639
Dissolved Vanadium (V)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Zinc (Zn)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Zirconium (Zr)	mg/L	<0.0010	5493639	<0.0010	0.0010	5493639

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Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

RCAP - COMPREHENSIVE (WATER)

Maxxam ID		GMS642		GMS644		
Sampling Date		2018/04/19 10:25		2018/04/19 13:59		
COC Number		657877-01-01		657877-01-01		
	UNITS	**WG-160900764-20180419-RD11**	**QC Batch**	**WG-160900764-20180419-RD12**	**RDL**	**QC Batch**
Calculated Parameters						
Anion Sum	me/L	8.33	5493630	5.35	N/A	5493630
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	230	5493621	200	1.0	5493621
Calculated TDS	mg/L	480	5493633	270	1.0	5493633
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.3	5493621	1.5	1.0	5493621
Cation Sum	me/L	7.72	5493630	4.81	N/A	5493630
Hardness (CaCO3)	mg/L	370	5494032	210	1.0	5494032
Ion Balance (% Difference)	%	3.78	5493629	5.26	N/A	5493629
Langelier Index (@ 20C)	N/A	0.639	5493631	0.322		5493631
Langelier Index (@ 4C)	N/A	0.391	5493632	0.0720		5493632
Saturation pH (@ 20C)	N/A	7.13	5493631	7.58		5493631
Saturation pH (@ 4C)	N/A	7.37	5493632	7.83		5493632
Inorganics						
Total Ammonia-N	mg/L	<0.050	5498354	<0.050	0.050	5500439
Conductivity	umho/cm	810	5495618	520	1.0	5495618
Dissolved Organic Carbon	mg/L	0.94	5495645	0.95	0.50	5495648
Orthophosphate (P)	mg/L	<0.010	5495661	<0.010	0.010	5495661
pH	pH	7.77	5495619	7.90		5495619
Dissolved Sulphate (SO4)	mg/L	92	5495660	34	1.0	5495660
Alkalinity (Total as CaCO3)	mg/L	230	5495617	200	1.0	5495617
Dissolved Chloride (Cl)	mg/L	23	5495658	23	1.0	5495658
Nitrite (N)	mg/L	<0.010	5495623	<0.010	0.010	5495622
Nitrate (N)	mg/L	16.5	5495623	<0.10	0.10	5495622
Nitrate + Nitrite (N)	mg/L	16.5	5495623	<0.10	0.10	5495622
Metals						
Dissolved Aluminum (Al)	mg/L	<0.0050	5493639	0.0066	0.0050	5493639
Dissolved Antimony (Sb)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Arsenic (As)	mg/L	<0.0010	5493639	<0.0010	0.0010	5493639
Dissolved Barium (Ba)	mg/L	0.057	5493639	0.068	0.0020	5493639
Dissolved Beryllium (Be)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Boron (B)	mg/L	<0.010	5493639	0.027	0.010	5493639

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Sampler Initials: RD

RCAP - COMPREHENSIVE (WATER)

Maxxam ID		GMS642		GMS644		
Sampling Date		2018/04/19 10:25		2018/04/19 13:59		
COC Number		657877-01-01		657877-01-01		
	UNITS	**WG-160900764-20180419-RD11**	**QC Batch**	**WG-160900764-20180419-RD12**	**RDL**	**QC Batch**
Dissolved Cadmium (Cd)	mg/L	<0.00010	5493639	<0.00010	0.00010	5493639
Dissolved Calcium (Ca)	mg/L	95	5493639	34	0.20	5493639
Dissolved Chromium (Cr)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Cobalt (Co)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Copper (Cu)	mg/L	0.0012	5493639	0.0022	0.0010	5493639
Dissolved Iron (Fe)	mg/L	<0.10	5493639	<0.10	0.10	5493639
Dissolved Lead (Pb)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Magnesium (Mg)	mg/L	32	5493639	31	0.050	5493639
Dissolved Manganese (Mn)	mg/L	<0.0020	5493639	0.0034	0.0020	5493639
Dissolved Molybdenum (Mo)	mg/L	0.0020	5493639	0.0047	0.00050	5493639
Dissolved Nickel (Ni)	mg/L	<0.0010	5493639	<0.0010	0.0010	5493639
Dissolved Phosphorus (P)	mg/L	<0.10	5493639	<0.10	0.10	5493639
Dissolved Potassium (K)	mg/L	2.5	5493639	3.0	0.20	5493639
Dissolved Selenium (Se)	mg/L	<0.0020	5493639	<0.0020	0.0020	5493639
Dissolved Silicon (Si)	mg/L	6.5	5493639	8.0	0.050	5493639
Dissolved Silver (Ag)	mg/L	<0.00010	5493639	<0.00010	0.00010	5493639
Dissolved Sodium (Na)	mg/L	5.2	5493639	11	0.10	5493639
Dissolved Strontium (Sr)	mg/L	0.31	5493639	0.50	0.0010	5493639
Dissolved Thallium (Tl)	mg/L	<0.000050	5493639	<0.000050	0.000050	5493639
Dissolved Titanium (Ti)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Uranium (U)	mg/L	0.0020	5493639	0.0013	0.00010	5493639
Dissolved Vanadium (V)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Zinc (Zn)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Zirconium (Zr)	mg/L	<0.0010	5493639	<0.0010	0.0010	5493639

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Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

RCAP - COMPREHENSIVE (WATER)

Maxxam ID		GMS644			GMS646		
Sampling Date		2018/04/19 13:59			2018/04/19 13:12		
COC Number		657877-01-01			657877-01-01		
	UNITS	**WG-160900764-20180419-RD12 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD13**	**RDL**	**QC Batch**
Calculated Parameters							
Anion Sum	me/L				5.57	N/A	5493630
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				190	1.0	5493621
Calculated TDS	mg/L				300	1.0	5493633
Carb. Alkalinity (calc. as CaCO3)	mg/L				1.5	1.0	5493621
Cation Sum	me/L				5.27	N/A	5493630
Hardness (CaCO3)	mg/L				240	1.0	5494032
Ion Balance (% Difference)	%				2.82	N/A	5493629
Langelier Index (@ 20C)	N/A				0.447		5493631
Langelier Index (@ 4C)	N/A				0.198		5493632
Saturation pH (@ 20C)	N/A				7.50		5493631
Saturation pH (@ 4C)	N/A				7.75		5493632
Inorganics							
Total Ammonia-N	mg/L				<0.050	0.050	5500439
Conductivity	umho/cm	520	1.0	5495618	550	1.0	5495618
Dissolved Organic Carbon	mg/L				0.84	0.50	5495645
Orthophosphate (P)	mg/L				<0.010	0.010	5495661
pH	pH	7.89		5495619	7.95		5495619
Dissolved Sulphate (SO4)	mg/L				45	1.0	5495660
Alkalinity (Total as CaCO3)	mg/L	200	1.0	5495617	190	1.0	5495617
Dissolved Chloride (Cl)	mg/L				30	1.0	5495658
Nitrite (N)	mg/L				<0.010	0.010	5495623
Nitrate (N)	mg/L				0.69	0.10	5495623
Nitrate + Nitrite (N)	mg/L				0.69	0.10	5495623
Metals							
Dissolved Aluminum (Al)	mg/L				0.0094	0.0050	5493639
Dissolved Antimony (Sb)	mg/L				<0.00050	0.00050	5493639
Dissolved Arsenic (As)	mg/L				0.0010	0.0010	5493639
Dissolved Barium (Ba)	mg/L				0.092	0.0020	5493639
Dissolved Beryllium (Be)	mg/L				<0.00050	0.00050	5493639

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

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

RCAP - COMPREHENSIVE (WATER)

Maxxam ID		GMS644			GMS646		
Sampling Date		2018/04/19 13:59			2018/04/19 13:12		
COC Number		657877-01-01			657877-01-01		
	UNITS	**WG-160900764-20180419-RD12 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD13**	**RDL**	**QC Batch**
Dissolved Boron (B)	mg/L				0.013	0.010	5493639
Dissolved Cadmium (Cd)	mg/L				<0.00010	0.00010	5493639
Dissolved Calcium (Ca)	mg/L				44	0.20	5493639
Dissolved Chromium (Cr)	mg/L				<0.0050	0.0050	5493639
Dissolved Cobalt (Co)	mg/L				<0.00050	0.00050	5493639
Dissolved Copper (Cu)	mg/L				<0.0010	0.0010	5493639
Dissolved Iron (Fe)	mg/L				<0.10	0.10	5493639
Dissolved Lead (Pb)	mg/L				<0.00050	0.00050	5493639
Dissolved Magnesium (Mg)	mg/L				32	0.050	5493639
Dissolved Manganese (Mn)	mg/L				0.0074	0.0020	5493639
Dissolved Molybdenum (Mo)	mg/L				0.0019	0.00050	5493639
Dissolved Nickel (Ni)	mg/L				<0.0010	0.0010	5493639
Dissolved Phosphorus (P)	mg/L				<0.10	0.10	5493639
Dissolved Potassium (K)	mg/L				2.6	0.20	5493639
Dissolved Selenium (Se)	mg/L				<0.0020	0.0020	5493639
Dissolved Silicon (Si)	mg/L				9.3	0.050	5493639
Dissolved Silver (Ag)	mg/L				<0.00010	0.00010	5493639
Dissolved Sodium (Na)	mg/L				9.4	0.10	5493639
Dissolved Strontium (Sr)	mg/L				0.38	0.0010	5493639
Dissolved Thallium (Tl)	mg/L				<0.000050	0.000050	5493639
Dissolved Titanium (Ti)	mg/L				<0.0050	0.0050	5493639
Dissolved Uranium (U)	mg/L				0.0011	0.00010	5493639
Dissolved Vanadium (V)	mg/L				<0.00050	0.00050	5493639
Dissolved Zinc (Zn)	mg/L				<0.0050	0.0050	5493639
Dissolved Zirconium (Zr)	mg/L				<0.0010	0.0010	5493639

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

RCAP - COMPREHENSIVE (WATER)

Maxxam ID		GMS689		GMS691		
Sampling Date		2018/04/19 13:12		2018/04/19 14:47		
COC Number		657877-02-01		657877-02-01		
	UNITS	**WG-160900764-20180419-RD14**	**QC Batch**	**WG-160900764-20180419-RD15**	**RDL**	**QC Batch**
Calculated Parameters						
Anion Sum	me/L	5.55	5493630	4.34	N/A	5493630
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	180	5493621	130	1.0	5493621
Calculated TDS	mg/L	300	5493633	240	1.0	5493633
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.5	5493621	1.2	1.0	5493621
Cation Sum	me/L	5.28	5493630	3.73	N/A	5493630
Hardness (CaCO3)	mg/L	240	5494032	48	1.0	5494032
Ion Balance (% Difference)	%	2.57	5493629	7.55	N/A	5493629
Langelier Index (@ 20C)	N/A	0.419	5493631	-0.232		5493631
Langelier Index (@ 4C)	N/A	0.169	5493632	-0.481		5493632
Saturation pH (@ 20C)	N/A	7.50	5493631	8.22		5493631
Saturation pH (@ 4C)	N/A	7.75	5493632	8.47		5493632
Inorganics						
Total Ammonia-N	mg/L	<0.050	5500439	<0.050	0.050	5500439
Conductivity	umho/cm	550	5495618	400	1.0	5495618
Dissolved Organic Carbon	mg/L	0.87	5495648	1.2	0.50	5496782
Orthophosphate (P)	mg/L	<0.010	5495661	<0.010	0.010	5495661
pH	pH	7.92	5495619	7.99		5495619
Dissolved Sulphate (SO4)	mg/L	45	5495660	69	1.0	5495660
Alkalinity (Total as CaCO3)	mg/L	190	5495617	130	1.0	5495617
Dissolved Chloride (Cl)	mg/L	30	5495658	4.7	1.0	5495658
Nitrite (N)	mg/L	<0.010	5495623	<0.010	0.010	5495623
Nitrate (N)	mg/L	0.66	5495623	0.41	0.10	5495623
Nitrate + Nitrite (N)	mg/L	0.66	5495623	0.41	0.10	5495623
Metals						
Dissolved Aluminum (Al)	mg/L	0.0096	5493639	0.011	0.0050	5493639
Dissolved Antimony (Sb)	mg/L	<0.00050	5493639	0.00058	0.00050	5493639
Dissolved Arsenic (As)	mg/L	0.0011	5493639	0.0020	0.0010	5493639
Dissolved Barium (Ba)	mg/L	0.095	5493639	0.031	0.0020	5493639
Dissolved Beryllium (Be)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Boron (B)	mg/L	0.017	5493639	0.21	0.010	5493639

RDL = Reportable Detection Limit
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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

RCAP - COMPREHENSIVE (WATER)

Maxxam ID		GMS689		GMS691		
Sampling Date		2018/04/19 13:12		2018/04/19 14:47		
COC Number		657877-02-01		657877-02-01		
	UNITS	**WG-160900764-20180419-RD14**	**QC Batch**	**WG-160900764-20180419-RD15**	**RDL**	**QC Batch**
Dissolved Cadmium (Cd)	mg/L	<0.00010	5493639	<0.00010	0.00010	5493639
Dissolved Calcium (Ca)	mg/L	44	5493639	11	0.20	5493639
Dissolved Chromium (Cr)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Cobalt (Co)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Copper (Cu)	mg/L	<0.0010	5493639	<0.0010	0.0010	5493639
Dissolved Iron (Fe)	mg/L	<0.10	5493639	<0.10	0.10	5493639
Dissolved Lead (Pb)	mg/L	<0.00050	5493639	<0.00050	0.00050	5493639
Dissolved Magnesium (Mg)	mg/L	32	5493639	4.7	0.050	5493639
Dissolved Manganese (Mn)	mg/L	0.0066	5493639	<0.0020	0.0020	5493639
Dissolved Molybdenum (Mo)	mg/L	0.0019	5493639	0.049	0.00050	5493639
Dissolved Nickel (Ni)	mg/L	<0.0010	5493639	<0.0010	0.0010	5493639
Dissolved Phosphorus (P)	mg/L	<0.10	5493639	<0.10	0.10	5493639
Dissolved Potassium (K)	mg/L	2.6	5493639	0.98	0.20	5493639
Dissolved Selenium (Se)	mg/L	<0.0020	5493639	<0.0020	0.0020	5493639
Dissolved Silicon (Si)	mg/L	9.3	5493639	2.9	0.050	5493639
Dissolved Silver (Ag)	mg/L	<0.00010	5493639	<0.00010	0.00010	5493639
Dissolved Sodium (Na)	mg/L	9.5	5493639	63	0.10	5493639
Dissolved Strontium (Sr)	mg/L	0.38	5493639	0.30	0.0010	5493639
Dissolved Thallium (Tl)	mg/L	<0.000050	5493639	<0.000050	0.000050	5493639
Dissolved Titanium (Ti)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Uranium (U)	mg/L	0.0011	5493639	0.0019	0.00010	5493639
Dissolved Vanadium (V)	mg/L	<0.00050	5493639	0.0027	0.00050	5493639
Dissolved Zinc (Zn)	mg/L	<0.0050	5493639	<0.0050	0.0050	5493639
Dissolved Zirconium (Zr)	mg/L	<0.0010	5493639	<0.0010	0.0010	5493639

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

RESULTS OF ANALYSES OF WATER

Maxxam ID		GMS638			GMS638		
Sampling Date		2018/04/19 10:04			2018/04/19 10:04		
COC Number		657877-01-01			657877-01-01		
	UNITS	**WG-160900764-20180419-RD09**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD09 Lab-Dup**	**RDL**	**QC Batch**
Inorganics							
Acidity	mg/L	<5.0	5.0	5502201			
Total Dissolved Solids	mg/L	235	10	5501563			
Fluoride (F-)	mg/L	0.25	0.10	5495620			
Total Organic Carbon (TOC)	mg/L	0.69	0.50	5498220			
Total Suspended Solids	mg/L	<10	10	5502252	<10	10	5502252
Turbidity	NTU	1.5	0.1	5493985			
WAD Cyanide (Free)	ug/L	<1	1	5496549			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Maxxam ID		GMS640		GMS642		GMS644		
Sampling Date		2018/04/19 10:04		2018/04/19 10:25		2018/04/19 13:59		
COC Number		657877-01-01		657877-01-01		657877-01-01		
	UNITS	**WG-160900764-20180419-RD10**	**QC Batch**	**WG-160900764-20180419-RD11**	**QC Batch**	**WG-160900764-20180419-RD12**	**RDL**	**QC Batch**
Inorganics								
Acidity	mg/L	<5.0	5502201	8.8	5502201	<5.0	5.0	5502201
Total Dissolved Solids	mg/L	225	5501563	490	5501563	250	10	5497155
Fluoride (F-)	mg/L	0.25	5495620	0.10	5495620	0.28	0.10	5495620
Total Organic Carbon (TOC)	mg/L	0.71	5498216	0.96	5498220	1.0	0.50	5498220
Total Suspended Solids	mg/L	<10	5501880	15	5501880	38	10	5497144
Turbidity	NTU	0.9	5494786	3.6	5494786	6.3	0.1	5493985
WAD Cyanide (Free)	ug/L	<1	5496549	<1	5496549	<1	1	5496549

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

RESULTS OF ANALYSES OF WATER

Maxxam ID		GMS644			GMS646		
Sampling Date		2018/04/19 13:59			2018/04/19 13:12		
COC Number		657877-01-01			657877-01-01		
	UNITS	**WG-160900764-20180419-RD12 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD13**	**RDL**	**QC Batch**
Inorganics							
Acidity	mg/L				<5.0	5.0	5502201
Total Dissolved Solids	mg/L				280	10	5497155
Fluoride (F-)	mg/L	0.28	0.10	5495620	0.18	0.10	5495620
Total Organic Carbon (TOC)	mg/L				0.85	0.50	5498216
Total Suspended Solids	mg/L				<10	10	5497144
Turbidity	NTU				0.7	0.1	5495663
WAD Cyanide (Free)	ug/L				<1	1	5496549

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Maxxam ID		GMS646			GMS689		
Sampling Date		2018/04/19 13:12			2018/04/19 13:12		
COC Number		657877-01-01			657877-02-01		
	UNITS	**WG-160900764-20180419-RD13 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD14**	**RDL**	**QC Batch**
Inorganics							
Acidity	mg/L				<5.0	5.0	5502201
Total Dissolved Solids	mg/L				285	10	5501563
Fluoride (F-)	mg/L				0.18	0.10	5495620
Total Organic Carbon (TOC)	mg/L				0.84	0.50	5498220
Total Suspended Solids	mg/L				<10	10	5501880
Turbidity	NTU	0.7	0.1	5495663	0.8	0.1	5494786
WAD Cyanide (Free)	ug/L				<1	1	5496549

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

RESULTS OF ANALYSES OF WATER

Maxxam ID		GMS689			GMS691		
Sampling Date		2018/04/19 13:12			2018/04/19 14:47		
COC Number		657877-02-01			657877-02-01		
	UNITS	**WG-160900764-20180419-RD14 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD15**	**RDL**	**QC Batch**
Inorganics							
Acidity	mg/L				<5.0	5.0	5502201
Total Dissolved Solids	mg/L				265	10	5497155
Fluoride (F-)	mg/L				1.0	0.10	5495620
Total Organic Carbon (TOC)	mg/L				2.4	0.50	5498220
Total Suspended Solids	mg/L	<10	10	5501880	280	10	5497144
Turbidity	NTU				47	0.1	5493985
WAD Cyanide (Free)	ug/L				<1	1	5496549

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		GMS638			GMS638		
Sampling Date		2018/04/19 10:04			2018/04/19 10:04		
COC Number		657877-01-01			657877-01-01		
	UNITS	**WG-160900764-20180419-RD09**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD09 Lab-Dup**	**RDL**	**QC Batch**
Metals							
Chromium (VI)	ug/L	<0.50	0.50	5497034			
Mercury (Hg)	ug/L	<0.1	0.1	5500593	<0.1	0.1	5500593

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Maxxam ID		GMS640			GMS640		
Sampling Date		2018/04/19 10:04			2018/04/19 10:04		
COC Number		657877-01-01			657877-01-01		
	UNITS	**WG-160900764-20180419-RD10**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD10 Lab-Dup**	**RDL**	**QC Batch**
Metals							
Chromium (VI)	ug/L	<0.50	0.50	5497034	<0.50	0.50	5497034
Mercury (Hg)	ug/L	<0.1	0.1	5497806			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Maxxam ID		GMS642	GMS644		GMS646		
Sampling Date		2018/04/19 10:25	2018/04/19 13:59		2018/04/19 13:12		
COC Number		657877-01-01	657877-01-01		657877-01-01		
	UNITS	**WG-160900764-20180419-RD11**	**WG-160900764-20180419-RD12**	**QC Batch**	**WG-160900764-20180419-RD13**	**RDL**	**QC Batch**
Metals							
Chromium (VI)	ug/L	0.74	<0.50	5497034	<0.50	0.50	5497034
Mercury (Hg)	ug/L	<0.1	<0.1	5500593	<0.1	0.1	5497806

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		GMS689		GMS691		
Sampling Date		2018/04/19 13:12		2018/04/19 14:47		
COC Number		657877-02-01		657877-02-01		
	UNITS	**WG-160900764-20180419-RD14**	**QC Batch**	**WG-160900764-20180419-RD15**	**RDL**	**QC Batch**
Metals						
Chromium (VI)	ug/L	<0.50	5497034	<0.50	0.50	5497034
Mercury (Hg)	ug/L	<0.1	5497806	<0.1	0.1	5500593

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Sampler Initials: RD

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		GMS693	GMS694		
Sampling Date		2018/04/19 10:15	2018/04/19 13:45		
COC Number		657877-02-01	657877-02-01		
	UNITS	**FIELD BLANK**	**EQUIPMENT BLANK**	**RDL**	**QC Batch**
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	0.50	5494494

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 PCBS (WATER)

Maxxam ID		GMS638	GMS640	GMS642	GMS644		
Sampling Date		2018/04/19 10:04	2018/04/19 10:04	2018/04/19 10:25	2018/04/19 13:59		
COC Number		657877-01-01	657877-01-01	657877-01-01	657877-01-01		
	UNITS	**WG-160900764-20180419-RD09**	**WG-160900764-20180419-RD10**	**WG-160900764-20180419-RD11**	**WG-160900764-20180419-RD12**	**RDL**	**QC Batch**
PCBs							
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5496644
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5496644
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5496644
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5496644
Total PCB	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5496644
Surrogate Recovery (%)							
Decachlorobiphenyl	%	99	107	100	98		5496644

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		GMS646	GMS689	GMS691		
Sampling Date		2018/04/19 13:12	2018/04/19 13:12	2018/04/19 14:47		
COC Number		657877-01-01	657877-02-01	657877-02-01		
	UNITS	**WG-160900764-20180419-RD13**	**WG-160900764-20180419-RD14**	**WG-160900764-20180419-RD15**	**RDL**	**QC Batch**
PCBs						
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	0.05	5496644
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	0.05	5496644
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	0.05	5496644
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	0.05	5496644
Total PCB	ug/L	<0.05	<0.05	<0.05	0.05	5496644
Surrogate Recovery (%)						
Decachlorobiphenyl	%	114	107	96		5496644

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

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

Maxxam ID		GMS638	GMS640	GMS642		
Sampling Date		2018/04/19 10:04	2018/04/19 10:04	2018/04/19 10:25		
COC Number		657877-01-01	657877-01-01	657877-01-01		
	UNITS	**WG-160900764-20180419-RD09**	**WG-160900764-20180419-RD10**	**WG-160900764-20180419-RD11**	**RDL**	**QC Batch**
Calculated Parameters						
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	<0.50	0.50	5494494
Volatile Organics						
Acetone (2-Propanone)	ug/L	<10	<10	<10	10	5496185
Benzene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Bromodichloromethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Bromoform	ug/L	<1.0	<1.0	<1.0	1.0	5496185
Bromomethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Carbon Tetrachloride	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Chlorobenzene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Chloroform	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Dibromochloromethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	<1.0	1.0	5496185
1,1-Dichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5496185
1,2-Dichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,1-Dichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,2-Dichloropropane	ug/L	<0.20	<0.20	<0.20	0.20	5496185
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	<0.30	0.30	5496185
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	<0.40	0.40	5496185
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Hexane	ug/L	<1.0	<1.0	<1.0	1.0	5496185
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	<2.0	2.0	5496185
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	<10	10	5496185
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	5.0	5496185
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	<0.50	0.50	5496185

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

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

Maxxam ID		GMS638	GMS640	GMS642		
Sampling Date		2018/04/19 10:04	2018/04/19 10:04	2018/04/19 10:25		
COC Number		657877-01-01	657877-01-01	657877-01-01		
	UNITS	**WG-160900764-20180419-RD09**	**WG-160900764-20180419-RD10**	**WG-160900764-20180419-RD11**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Tetrachloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Toluene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5496185
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Trichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	0.20	5496185
p+m-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
o-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Total Xylenes	ug/L	<0.20	<0.20	<0.20	0.20	5496185
F1 (C6-C10)	ug/L	<25	<25	<25	25	5496185
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	25	5496185
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	<100	100	5500137
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	200	5500137
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	200	5500137
Reached Baseline at C50	ug/L	Yes	Yes	Yes		5500137
Surrogate Recovery (%)						
o-Terphenyl	%	95	96	93		5500137
4-Bromofluorobenzene	%	89	89	89		5496185
D4-1,2-Dichloroethane	%	105	102	103		5496185
D8-Toluene	%	104	104	104		5496185

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

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

Maxxam ID		GMS644	GMS646	GMS689		
Sampling Date		2018/04/19 13:59	2018/04/19 13:12	2018/04/19 13:12		
COC Number		657877-01-01	657877-01-01	657877-02-01		
	UNITS	**WG-160900764-20180419-RD12**	**WG-160900764-20180419-RD13**	**WG-160900764-20180419-RD14**	**RDL**	**QC Batch**
Calculated Parameters						
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	<0.50	0.50	5494494
Volatile Organics						
Acetone (2-Propanone)	ug/L	<10	<10	<10	10	5496185
Benzene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Bromodichloromethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Bromoform	ug/L	<1.0	<1.0	<1.0	1.0	5496185
Bromomethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Carbon Tetrachloride	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Chlorobenzene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Chloroform	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Dibromochloromethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	<1.0	1.0	5496185
1,1-Dichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5496185
1,2-Dichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,1-Dichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,2-Dichloropropane	ug/L	<0.20	<0.20	<0.20	0.20	5496185
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	<0.30	0.30	5496185
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	<0.40	0.40	5496185
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Hexane	ug/L	<1.0	<1.0	<1.0	1.0	5496185
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	<2.0	2.0	5496185
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	<10	10	5496185
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	5.0	5496185
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	<0.50	0.50	5496185

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

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

Maxxam ID		GMS644	GMS646	GMS689		
Sampling Date		2018/04/19 13:59	2018/04/19 13:12	2018/04/19 13:12		
COC Number		657877-01-01	657877-01-01	657877-02-01		
	UNITS	**WG-160900764-20180419-RD12**	**WG-160900764-20180419-RD13**	**WG-160900764-20180419-RD14**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Tetrachloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Toluene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5496185
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Trichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	<0.50	0.50	5496185
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	0.20	5496185
p+m-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
o-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5496185
Total Xylenes	ug/L	<0.20	<0.20	<0.20	0.20	5496185
F1 (C6-C10)	ug/L	<25	<25	<25	25	5496185
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	25	5496185
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	<100	100	5500137
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	200	5500137
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	200	5500137
Reached Baseline at C50	ug/L	Yes	Yes	Yes		5500137
Surrogate Recovery (%)						
o-Terphenyl	%	96	95	94		5500137
4-Bromofluorobenzene	%	89	93	90		5496185
D4-1,2-Dichloroethane	%	102	102	102		5496185
D8-Toluene	%	104	104	103		5496185

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

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

Maxxam ID		GMS691			GMS693	GMS694		
Sampling Date		2018/04/19 14:47			2018/04/19 10:15	2018/04/19 13:45		
COC Number		657877-02-01			657877-02-01	657877-02-01		
	UNITS	**WG-160900764-20180419-RD15**	**RDL**	**QC Batch**	**FIELD BLANK**	**EQUIPMENT BLANK**	**RDL**	**QC Batch**
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	5494494				
Volatile Organics								
Acetone (2-Propanone)	ug/L	<10	10	5496185	<10	<10	10	5496185
Benzene	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
Bromodichloromethane	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
Bromoform	ug/L	<1.0	1.0	5496185	<1.0	<1.0	1.0	5496185
Bromomethane	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
Carbon Tetrachloride	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
Chlorobenzene	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
Chloroform	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
Dibromochloromethane	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
1,2-Dichlorobenzene	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
1,3-Dichlorobenzene	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
1,4-Dichlorobenzene	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	5496185	<1.0	<1.0	1.0	5496185
1,1-Dichloroethane	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
1,2-Dichloroethane	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
1,1-Dichloroethylene	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
cis-1,2-Dichloroethylene	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
trans-1,2-Dichloroethylene	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
1,2-Dichloropropane	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	5496185	<0.30	<0.30	0.30	5496185
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	5496185	<0.40	<0.40	0.40	5496185
Ethylbenzene	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
Ethylene Dibromide	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
Hexane	ug/L	<1.0	1.0	5496185	<1.0	<1.0	1.0	5496185
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	5496185	<2.0	<2.0	2.0	5496185
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	5496185	<10	<10	10	5496185
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	5496185	<5.0	<5.0	5.0	5496185
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

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

Maxxam ID		GMS691			GMS693	GMS694		
Sampling Date		2018/04/19 14:47			2018/04/19 10:15	2018/04/19 13:45		
COC Number		657877-02-01			657877-02-01	657877-02-01		
	UNITS	**WG-160900764-20180419-RD15**	**RDL**	**QC Batch**	**FIELD BLANK**	**EQUIPMENT BLANK**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
Tetrachloroethylene	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
Toluene	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
1,1,1-Trichloroethane	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
1,1,2-Trichloroethane	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
Trichloroethylene	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	5496185	<0.50	<0.50	0.50	5496185
Vinyl Chloride	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
p+m-Xylene	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
o-Xylene	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
Total Xylenes	ug/L	<0.20	0.20	5496185	<0.20	<0.20	0.20	5496185
F1 (C6-C10)	ug/L	<25	25	5496185	<25	<25	25	5496185
F1 (C6-C10) - BTEX	ug/L	<25	25	5496185	<25	<25	25	5496185
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/L	<100	100	5500137				
F3 (C16-C34 Hydrocarbons)	ug/L	<200	200	5500137				
F4 (C34-C50 Hydrocarbons)	ug/L	<200	200	5500137				
Reached Baseline at C50	ug/L	Yes		5500137				
Surrogate Recovery (%)								
o-Terphenyl	%	94		5500137				
4-Bromofluorobenzene	%	89		5496185	89	90		5496185
D4-1,2-Dichloroethane	%	102		5496185	102	103		5496185
D8-Toluene	%	104		5496185	104	103		5496185

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS638	GMS639	GMS640	GMS641		
Sampling Date		2018/04/19 10:04	2018/04/19 10:04	2018/04/19 10:04	2018/04/19 10:04		
COC Number		657877-01-01	657877-01-01	657877-01-01	657877-01-01		
	UNITS	**WG-160900764-20180419-RD09**	**WG-160900764-20180419-RD09A**	**WG-160900764-20180419-RD10**	**WG-160900764-20180419-RD10A**	**RDL**	**QC Batch**
Semivolatile Organics							
1,2,4-Trichlorobenzene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
1-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
2,4,5-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
2,4,6-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
2,4-Dichlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
2,4-Dimethylphenol	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
2,4-Dinitrophenol	ug/L	<2	<2	<2	<2	2	5499169
2,4-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	<0.3	0.3	5499169
2,6-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	<0.3	0.3	5499169
2-Chlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
2-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
3,3'-Dichlorobenzidine	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
Acenaphthene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
Acenaphthylene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
Anthracene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Benzo(a)anthracene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Benzo(a)pyrene	ug/L	<0.01	<0.01	<0.01	<0.01	0.01	5499169
Benzo(b/j)fluoranthene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Benzo(g,h,i)perylene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Benzo(k)fluoranthene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Biphenyl	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Bis(2-chloroethyl)ether	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
Bis(2-chloroisopropyl)ether	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
Bis(2-ethylhexyl)phthalate	ug/L	<1	<1	<1	<1	1	5499169
Chrysene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Dibenz(a,h)anthracene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Diethyl phthalate	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Dimethyl phthalate	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Fluoranthene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
Fluorene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS638	GMS639	GMS640	GMS641		
Sampling Date		2018/04/19 10:04	2018/04/19 10:04	2018/04/19 10:04	2018/04/19 10:04		
COC Number		657877-01-01	657877-01-01	657877-01-01	657877-01-01		
	UNITS	**WG-160900764-20180419-RD09**	**WG-160900764-20180419-RD09A**	**WG-160900764-20180419-RD10**	**WG-160900764-20180419-RD10A**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Naphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
p-Chloroaniline	ug/L	<1	<1	<1	<1	1	5499169
Pentachlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Phenanthrene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Phenol	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
Pyrene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/L	<0.28	<0.28	<0.28	<0.28	0.28	5493571
Surrogate Recovery (%)							
2,4,6-Tribromophenol	%	65	61	78	65		5499169
2-Fluorobiphenyl	%	84	85	90	75		5499169
D14-Terphenyl (FS)	%	109	17 (1)	110	11 (1)		5499169
D5-Nitrobenzene	%	76	82	81	71		5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Surrogate recovery was below the lower control limit due to matrix interference. This may represent a low bias in some results.

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS642		GMS643		GMS644		
Sampling Date		2018/04/19 10:25		2018/04/19 10:25		2018/04/19 13:59		
COC Number		657877-01-01		657877-01-01		657877-01-01		
	UNITS	**WG-160900764-20180419-RD11**	**QC Batch**	**WG-160900764-20180419-RD11A**	**QC Batch**	**WG-160900764-20180419-RD12**	**RDL**	**QC Batch**
Semivolatile Organics								
1,2,4-Trichlorobenzene	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
1-Methylnaphthalene	ug/L	<0.2	5499169	<0.2	5507854	<0.2	0.2	5499169
2,4,5-Trichlorophenol	ug/L	<0.2	5499169	<0.2	5507854	<0.2	0.2	5499169
2,4,6-Trichlorophenol	ug/L	<0.2	5499169	<0.2	5507854	<0.2	0.2	5499169
2,4-Dichlorophenol	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
2,4-Dimethylphenol	ug/L	<0.5	5499169	<0.5	5507854	<0.5	0.5	5499169
2,4-Dinitrophenol	ug/L	<2	5499169	<2	5507854	<2	2	5499169
2,4-Dinitrotoluene	ug/L	<0.3	5499169	<0.3	5507854	<0.3	0.3	5499169
2,6-Dinitrotoluene	ug/L	<0.3	5499169	<0.3	5507854	<0.3	0.3	5499169
2-Chlorophenol	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
2-Methylnaphthalene	ug/L	<0.2	5499169	<0.2	5507854	<0.2	0.2	5499169
3,3'-Dichlorobenzidine	ug/L	<0.5	5499169	<0.5	5507854	<0.5	0.5	5499169
Acenaphthene	ug/L	<0.2	5499169	<0.2	5507854	<0.2	0.2	5499169
Acenaphthylene	ug/L	<0.2	5499169	<0.2	5507854	<0.2	0.2	5499169
Anthracene	ug/L	<0.05	5499169	<0.05	5507854	<0.05	0.05	5499169
Benzo(a)anthracene	ug/L	<0.05	5499169	<0.05	5507854	<0.05	0.05	5499169
Benzo(a)pyrene	ug/L	<0.01	5499169	<0.01	5507854	<0.01	0.01	5499169
Benzo(b/j)fluoranthene	ug/L	<0.05	5499169	<0.05	5507854	<0.05	0.05	5499169
Benzo(g,h,i)perylene	ug/L	<0.05	5499169	<0.05	5507854	<0.05	0.05	5499169
Benzo(k)fluoranthene	ug/L	<0.05	5499169	<0.05	5507854	<0.05	0.05	5499169
Biphenyl	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
Bis(2-chloroethyl)ether	ug/L	<0.5	5499169	<0.5	5507854	<0.5	0.5	5499169
Bis(2-chloroisopropyl)ether	ug/L	<0.5	5499169	<0.5	5507854	<0.5	0.5	5499169
Bis(2-ethylhexyl)phthalate	ug/L	<1	5499169	<1	5507854	<1	1	5499169
Chrysene	ug/L	<0.05	5499169	<0.05	5507854	<0.05	0.05	5499169
Dibenz(a,h)anthracene	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
Diethyl phthalate	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
Dimethyl phthalate	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
Fluoranthene	ug/L	<0.2	5499169	<0.2	5507854	<0.2	0.2	5499169
Fluorene	ug/L	<0.2	5499169	<0.2	5507854	<0.2	0.2	5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS642		GMS643		GMS644		
Sampling Date		2018/04/19 10:25		2018/04/19 10:25		2018/04/19 13:59		
COC Number		657877-01-01		657877-01-01		657877-01-01		
	UNITS	**WG-160900764-20180419-RD11**	**QC Batch**	**WG-160900764-20180419-RD11A**	**QC Batch**	**WG-160900764-20180419-RD12**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
Naphthalene	ug/L	<0.2	5499169	<0.2	5507854	<0.2	0.2	5499169
p-Chloroaniline	ug/L	<1	5499169	<1	5507854	<1	1	5499169
Pentachlorophenol	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
Phenanthrene	ug/L	<0.1	5499169	<0.1	5507854	<0.1	0.1	5499169
Phenol	ug/L	<0.5	5499169	<0.5	5507854	<0.5	0.5	5499169
Pyrene	ug/L	<0.05	5499169	<0.05	5507854	<0.05	0.05	5499169
Calculated Parameters								
Methylnaphthalene, 2-(1-)	ug/L	<0.28	5493571	<0.28	5493571	<0.28	0.28	5493571
Surrogate Recovery (%)								
2,4,6-Tribromophenol	%	71	5499169	68	5507854	71		5499169
2-Fluorobiphenyl	%	78	5499169	53	5507854	76		5499169
D14-Terphenyl (FS)	%	111	5499169	17 (1)	5507854	110		5499169
D5-Nitrobenzene	%	73	5499169	56	5507854	66		5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Surrogate recovery was below the lower control limit due to matrix interference. This may represent a low bias in some results.

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O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS645	GMS646	GMS647	GMS689		
Sampling Date		2018/04/19 13:59	2018/04/19 13:12	2018/04/19 13:12	2018/04/19 13:12		
COC Number		657877-01-01	657877-01-01	657877-01-01	657877-02-01		
	UNITS	**WG-160900764-20180419-RD12A**	**WG-160900764-20180419-RD13**	**WG-160900764-20180419-RD13A**	**WG-160900764-20180419-RD14**	**RDL**	**QC Batch**
Semivolatile Organics							
1,2,4-Trichlorobenzene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
1-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
2,4,5-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
2,4,6-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
2,4-Dichlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
2,4-Dimethylphenol	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
2,4-Dinitrophenol	ug/L	<2	<2	<2	<2	2	5499169
2,4-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	<0.3	0.3	5499169
2,6-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	<0.3	0.3	5499169
2-Chlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
2-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
3,3'-Dichlorobenzidine	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
Acenaphthene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
Acenaphthylene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
Anthracene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Benzo(a)anthracene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Benzo(a)pyrene	ug/L	<0.01	<0.01	<0.01	<0.01	0.01	5499169
Benzo(b/j)fluoranthene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Benzo(g,h,i)perylene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Benzo(k)fluoranthene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Biphenyl	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Bis(2-chloroethyl)ether	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
Bis(2-chloroisopropyl)ether	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
Bis(2-ethylhexyl)phthalate	ug/L	<1	<1	<1	<1	1	5499169
Chrysene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Dibenz(a,h)anthracene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Diethyl phthalate	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Dimethyl phthalate	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Fluoranthene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
Fluorene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
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Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS645	GMS646	GMS647	GMS689		
Sampling Date		2018/04/19 13:59	2018/04/19 13:12	2018/04/19 13:12	2018/04/19 13:12		
COC Number		657877-01-01	657877-01-01	657877-01-01	657877-02-01		
	UNITS	**WG-160900764-20180419-RD12A**	**WG-160900764-20180419-RD13**	**WG-160900764-20180419-RD13A**	**WG-160900764-20180419-RD14**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Naphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5499169
p-Chloroaniline	ug/L	<1	<1	<1	<1	1	5499169
Pentachlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Phenanthrene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5499169
Phenol	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5499169
Pyrene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5499169
Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/L	<0.28	<0.28	<0.28	<0.28	0.28	5493571
Surrogate Recovery (%)							
2,4,6-Tribromophenol	%	59	63	43 (1)	72		5499169
2-Fluorobiphenyl	%	83	70	64	71		5499169
D14-Terphenyl (FS)	%	17 (1)	111	22 (1)	109		5499169
D5-Nitrobenzene	%	82	65	60	68		5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Surrogate recovery was below the lower control limit due to matrix interference. This may represent a low bias in some results.

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS690	GMS691			GMS691		
Sampling Date		2018/04/19 13:12	2018/04/19 14:47			2018/04/19 14:47		
COC Number		657877-02-01	657877-02-01			657877-02-01		
	UNITS	**WG-160900764-20180419-RD14A**	**WG-160900764-20180419-RD15**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD15 Lab-Dup**	**RDL**	**QC Batch**
Semivolatile Organics								
1,2,4-Trichlorobenzene	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
1-Methylnaphthalene	ug/L	<0.2	<0.2	0.2	5499169	<0.2	0.2	5499169
2,4,5-Trichlorophenol	ug/L	<0.2	<0.2	0.2	5499169	<0.2	0.2	5499169
2,4,6-Trichlorophenol	ug/L	<0.2	<0.2	0.2	5499169	<0.2	0.2	5499169
2,4-Dichlorophenol	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
2,4-Dimethylphenol	ug/L	<0.5	<0.5	0.5	5499169	<0.5	0.5	5499169
2,4-Dinitrophenol	ug/L	<2	<2	2	5499169	<2	2	5499169
2,4-Dinitrotoluene	ug/L	<0.3	<0.3	0.3	5499169	<0.3	0.3	5499169
2,6-Dinitrotoluene	ug/L	<0.3	<0.3	0.3	5499169	<0.3	0.3	5499169
2-Chlorophenol	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
2-Methylnaphthalene	ug/L	<0.2	<0.2	0.2	5499169	<0.2	0.2	5499169
3,3'-Dichlorobenzidine	ug/L	<0.5	<0.5	0.5	5499169	<0.5	0.5	5499169
Acenaphthene	ug/L	<0.2	<0.2	0.2	5499169	<0.2	0.2	5499169
Acenaphthylene	ug/L	<0.2	<0.2	0.2	5499169	<0.2	0.2	5499169
Anthracene	ug/L	<0.05	<0.05	0.05	5499169	<0.05	0.05	5499169
Benzo(a)anthracene	ug/L	<0.05	<0.05	0.05	5499169	<0.05	0.05	5499169
Benzo(a)pyrene	ug/L	<0.01	<0.01	0.01	5499169	<0.01	0.01	5499169
Benzo(b/j)fluoranthene	ug/L	<0.05	<0.05	0.05	5499169	<0.05	0.05	5499169
Benzo(g,h,i)perylene	ug/L	<0.05	<0.05	0.05	5499169	<0.05	0.05	5499169
Benzo(k)fluoranthene	ug/L	<0.05	<0.05	0.05	5499169	<0.05	0.05	5499169
Biphenyl	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
Bis(2-chloroethyl)ether	ug/L	<0.5	<0.5	0.5	5499169	<0.5	0.5	5499169
Bis(2-chloroisopropyl)ether	ug/L	<0.5	<0.5	0.5	5499169	<0.5	0.5	5499169
Bis(2-ethylhexyl)phthalate	ug/L	<1	<1	1	5499169	<1	1	5499169
Chrysene	ug/L	<0.05	<0.05	0.05	5499169	<0.05	0.05	5499169
Dibenz(a,h)anthracene	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
Diethyl phthalate	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
Dimethyl phthalate	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
Fluoranthene	ug/L	<0.2	<0.2	0.2	5499169	<0.2	0.2	5499169
Fluorene	ug/L	<0.2	<0.2	0.2	5499169	<0.2	0.2	5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS690	GMS691			GMS691		
Sampling Date		2018/04/19 13:12	2018/04/19 14:47			2018/04/19 14:47		
COC Number		657877-02-01	657877-02-01			657877-02-01		
	UNITS	**WG-160900764-20180419-RD14A**	**WG-160900764-20180419-RD15**	**RDL**	**QC Batch**	**WG-160900764-20180419-RD15 Lab-Dup**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
Naphthalene	ug/L	<0.2	<0.2	0.2	5499169	<0.2	0.2	5499169
p-Chloroaniline	ug/L	<1	<1	1	5499169	<1	1	5499169
Pentachlorophenol	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
Phenanthrene	ug/L	<0.1	<0.1	0.1	5499169	<0.1	0.1	5499169
Phenol	ug/L	<0.5	<0.5	0.5	5499169	<0.5	0.5	5499169
Pyrene	ug/L	<0.05	<0.05	0.05	5499169	<0.05	0.05	5499169
Calculated Parameters								
Methylnaphthalene, 2-(1-)	ug/L	<0.28	<0.28	0.28	5493571			
Surrogate Recovery (%)								
2,4,6-Tribromophenol	%	56	74		5499169	47 (1)		5499169
2-Fluorobiphenyl	%	73	84		5499169	82		5499169
D14-Terphenyl (FS)	%	9.2 (1)	107		5499169	109		5499169
D5-Nitrobenzene	%	71	75		5499169	69		5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
(1) Surrogate recovery was below the lower control limit due to matrix interference. This may represent a low bias in some results.

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
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Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS692		GMS693	GMS694	GMS695		
Sampling Date		2018/04/19 14:47		2018/04/19 10:15	2018/04/19 13:45	2018/04/19		
COC Number		657877-02-01		657877-02-01	657877-02-01	657877-02-01		
	UNITS	**WG-160900764-20180419-RD15A**	**QC Batch**	**FIELD BLANK**	**EQUIPMENT BLANK**	**TRIP BLANK**	**RDL**	**QC Batch**
Semivolatile Organics								
1,2,4-Trichlorobenzene	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
1-Methylnaphthalene	ug/L	<0.2	5499169	<0.2	<0.2	<0.2	0.2	5499169
2,4,5-Trichlorophenol	ug/L	<0.2	5499169	<0.2	<0.2	<0.2	0.2	5499169
2,4,6-Trichlorophenol	ug/L	<0.2	5499169	<0.2	<0.2	<0.2	0.2	5499169
2,4-Dichlorophenol	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
2,4-Dimethylphenol	ug/L	<0.5	5499169	<0.5	<0.5	<0.5	0.5	5499169
2,4-Dinitrophenol	ug/L	<2	5499169	<2	<2	<2	2	5499169
2,4-Dinitrotoluene	ug/L	<0.3	5499169	<0.3	<0.3	<0.3	0.3	5499169
2,6-Dinitrotoluene	ug/L	<0.3	5499169	<0.3	<0.3	<0.3	0.3	5499169
2-Chlorophenol	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
2-Methylnaphthalene	ug/L	<0.2	5499169	<0.2	<0.2	<0.2	0.2	5499169
3,3'-Dichlorobenzidine	ug/L	<0.5	5499169	<0.5	<0.5	<0.5	0.5	5499169
Acenaphthene	ug/L	<0.2	5499169	<0.2	<0.2	<0.2	0.2	5499169
Acenaphthylene	ug/L	<0.2	5499169	<0.2	<0.2	<0.2	0.2	5499169
Anthracene	ug/L	<0.05	5499169	<0.05	<0.05	<0.05	0.05	5499169
Benzo(a)anthracene	ug/L	<0.05	5499169	<0.05	<0.05	<0.05	0.05	5499169
Benzo(a)pyrene	ug/L	<0.01	5499169	<0.01	<0.01	<0.01	0.01	5499169
Benzo(b/j)fluoranthene	ug/L	<0.05	5499169	<0.05	<0.05	<0.05	0.05	5499169
Benzo(g,h,i)perylene	ug/L	<0.05	5499169	<0.05	<0.05	<0.05	0.05	5499169
Benzo(k)fluoranthene	ug/L	<0.05	5499169	<0.05	<0.05	<0.05	0.05	5499169
Biphenyl	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
Bis(2-chloroethyl)ether	ug/L	<0.5	5499169	<0.5	<0.5	<0.5	0.5	5499169
Bis(2-chloroisopropyl)ether	ug/L	<0.5	5499169	<0.5	<0.5	<0.5	0.5	5499169
Bis(2-ethylhexyl)phthalate	ug/L	<1	5499169	<1	<1	<1	1	5499169
Chrysene	ug/L	<0.05	5499169	<0.05	<0.05	<0.05	0.05	5499169
Dibenz(a,h)anthracene	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
Diethyl phthalate	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
Dimethyl phthalate	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
Fluoranthene	ug/L	<0.2	5499169	<0.2	<0.2	<0.2	0.2	5499169
Fluorene	ug/L	<0.2	5499169	<0.2	<0.2	<0.2	0.2	5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMS692		GMS693	GMS694	GMS695		
Sampling Date		2018/04/19 14:47		2018/04/19 10:15	2018/04/19 13:45	2018/04/19		
COC Number		657877-02-01		657877-02-01	657877-02-01	657877-02-01		
	UNITS	**WG-160900764-20180419-RD15A**	**QC Batch**	**FIELD BLANK**	**EQUIPMENT BLANK**	**TRIP BLANK**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
Naphthalene	ug/L	<0.2	5499169	<0.2	<0.2	<0.2	0.2	5499169
p-Chloroaniline	ug/L	<1	5499169	<1	<1	<1	1	5499169
Pentachlorophenol	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
Phenanthrene	ug/L	<0.1	5499169	<0.1	<0.1	<0.1	0.1	5499169
Phenol	ug/L	<0.5	5499169	<0.5	<0.5	<0.5	0.5	5499169
Pyrene	ug/L	<0.05	5499169	<0.05	<0.05	<0.05	0.05	5499169
Calculated Parameters								
Methylnaphthalene, 2-(1-)	ug/L	<0.28	5493571	<0.28	<0.28	<0.28	0.28	5494530
Surrogate Recovery (%)								
2,4,6-Tribromophenol	%	23 (1)	5499169	77	84	65		5499169
2-Fluorobiphenyl	%	73	5499169	89	86	94		5499169
D14-Terphenyl (FS)	%	112	5499169	112	112	114		5499169
D5-Nitrobenzene	%	59	5499169	80	75	84		5499169

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Surrogate recovery was below the lower control limit due to matrix interference. This may represent a low bias in some results.

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Maxxam Job #: B890096
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Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMT881			GMT882			GON182		
Sampling Date		2018/04/19			2018/04/19			2018/04/19		
COC Number		657877-01-01			657877-01-01			657877-01-01		
	UNITS	**FILTERED BLANK**	**RDL**	**QC Batch**	**FILTERED SPIKE**	**RDL**	**QC Batch**	**FILTERED BLANK**	**RDL**	**QC Batch**
Semivolatile Organics										
1,2,4-Trichlorobenzene	ug/L	<0.1	0.1	5499169	65	1	5499169	<0.1	0.1	5507854
1-Methylnaphthalene	ug/L	<0.2	0.2	5499169	86	1	5499169	<0.2	0.2	5507854
2,4,5-Trichlorophenol	ug/L	<0.2	0.2	5499169	100	1	5499169	<0.2	0.2	5507854
2,4,6-Trichlorophenol	ug/L	<0.2	0.2	5499169	95	1	5499169	<0.2	0.2	5507854
2,4-Dichlorophenol	ug/L	<0.1	0.1	5499169	84	1	5499169	<0.1	0.1	5507854
2,4-Dimethylphenol	ug/L	<0.5	0.5	5499169	23 (1)	1	5499169	<0.5	0.5	5507854
2,4-Dinitrophenol	ug/L	<2	2	5499169	120	1	5499169	<2	2	5507854
2,4-Dinitrotoluene	ug/L	<0.3	0.3	5499169	94	1	5499169	<0.3	0.3	5507854
2,6-Dinitrotoluene	ug/L	<0.3	0.3	5499169	96	1	5499169	<0.3	0.3	5507854
2-Chlorophenol	ug/L	<0.1	0.1	5499169	79	1	5499169	<0.1	0.1	5507854
2-Methylnaphthalene	ug/L	<0.2	0.2	5499169	84	1	5499169	<0.2	0.2	5507854
3,3'-Dichlorobenzidine	ug/L	<0.5	0.5	5499169	77	1	5499169	<0.5	0.5	5507854
Acenaphthene	ug/L	<0.2	0.2	5499169	96	1	5499169	<0.2	0.2	5507854
Acenaphthylene	ug/L	<0.2	0.2	5499169	95	1	5499169	<0.2	0.2	5507854
Anthracene	ug/L	<0.05	0.05	5499169	57	1	5499169	<0.05	0.05	5507854
Benzo(a)anthracene	ug/L	<0.05	0.05	5499169	35 (1)	1	5499169	<0.05	0.05	5507854
Benzo(a)pyrene	ug/L	<0.01	0.01	5499169	31 (1)	1	5499169	<0.01	0.01	5507854
Benzo(b/j)fluoranthene	ug/L	<0.05	0.05	5499169	35 (1)	1	5499169	<0.05	0.05	5507854
Benzo(g,h,i)perylene	ug/L	<0.05	0.05	5499169	21 (1)	1	5499169	<0.05	0.05	5507854
Benzo(k)fluoranthene	ug/L	<0.05	0.05	5499169	70	1	5499169	<0.05	0.05	5507854
Biphenyl	ug/L	<0.1	0.1	5499169	81	1	5499169	<0.1	0.1	5507854
Bis(2-chloroethyl)ether	ug/L	<0.5	0.5	5499169	90	1	5499169	<0.5	0.5	5507854
Bis(2-chloroisopropyl)ether	ug/L	<0.5	0.5	5499169	89	1	5499169	<0.5	0.5	5507854
Bis(2-ethylhexyl)phthalate	ug/L	<1	1	5499169	18 (1)	1	5499169	<1	1	5507854
Chrysene	ug/L	<0.05	0.05	5499169	36 (1)	1	5499169	<0.05	0.05	5507854
Dibenz(a,h)anthracene	ug/L	<0.1	0.1	5499169	19 (1)	1	5499169	<0.1	0.1	5507854
Diethyl phthalate	ug/L	<0.1	0.1	5499169	97	1	5499169	<0.1	0.1	5507854
Dimethyl phthalate	ug/L	<0.1	0.1	5499169	93	1	5499169	<0.1	0.1	5507854
Fluoranthene	ug/L	<0.2	0.2	5499169	61	1	5499169	<0.2	0.2	5507854

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GMT881			GMT882			GON182		
Sampling Date		2018/04/19			2018/04/19			2018/04/19		
COC Number		657877-01-01			657877-01-01			657877-01-01		
	UNITS	**FILTERED BLANK**	**RDL**	**QC Batch**	**FILTERED SPIKE**	**RDL**	**QC Batch**	**FILTERED BLANK**	**RDL**	**QC Batch**
Fluorene	ug/L	<0.2	0.2	5499169	90	1	5499169	<0.2	0.2	5507854
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	0.1	5499169	18 (1)	1	5499169	<0.1	0.1	5507854
Naphthalene	ug/L	<0.2	0.2	5499169	86	1	5499169	<0.2	0.2	5507854
p-Chloroaniline	ug/L	<1	1	5499169	68	1	5499169	<1	1	5507854
Pentachlorophenol	ug/L	<0.1	0.1	5499169	82	1	5499169	<0.1	0.1	5507854
Phenanthrene	ug/L	<0.1	0.1	5499169	83	1	5499169	<0.1	0.1	5507854
Phenol	ug/L	<0.5	0.5	5499169	36	1	5499169	<0.5	0.5	5507854
Pyrene	ug/L	<0.05	0.05	5499169	59	1	5499169	<0.05	0.05	5507854
Calculated Parameters										
Methylnaphthalene, 2-(1-)	ug/L	<0.28	0.28	5494530				<0.28	0.28	5507372
Surrogate Recovery (%)										
2,4,6-Tribromophenol	%	57		5499169	93		5499169	62		5507854
2-Fluorobiphenyl	%	88		5499169	67		5499169	46 (2)		5507854
D14-Terphenyl (FS)	%	21 (2)		5499169	68		5499169	9.0 (2)		5507854
D5-Nitrobenzene	%	81		5499169	85		5499169	50		5507854

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Surrogate recovery was below the lower control limit due to matrix interference. This may represent a low bias in some results.

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Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GON183		
Sampling Date		2018/04/19		
COC Number		657877-01-01		
	UNITS	**FILTERED SPIKE**	**RDL**	**QC Batch**
Semivolatile Organics				
1,2,4-Trichlorobenzene	ug/L	48	1	5507854
1-Methylnaphthalene	ug/L	61	1	5507854
2,4,5-Trichlorophenol	ug/L	87	1	5507854
2,4,6-Trichlorophenol	ug/L	82	1	5507854
2,4-Dichlorophenol	ug/L	66	1	5507854
2,4-Dimethylphenol	ug/L	57	1	5507854
2,4-Dinitrophenol	ug/L	63	1	5507854
2,4-Dinitrotoluene	ug/L	95	1	5507854
2,6-Dinitrotoluene	ug/L	91	1	5507854
2-Chlorophenol	ug/L	63	1	5507854
2-Methylnaphthalene	ug/L	58	1	5507854
3,3'-Dichlorobenzidine	ug/L	93	1	5507854
Acenaphthene	ug/L	58	1	5507854
Acenaphthylene	ug/L	62	1	5507854
Anthracene	ug/L	21 (1)	1	5507854
Benzo(a)anthracene	ug/L	11 (1)	1	5507854
Benzo(a)pyrene	ug/L	10 (1)	1	5507854
Benzo(b/j)fluoranthene	ug/L	11 (1)	1	5507854
Benzo(g,h,i)perylene	ug/L	7 (1)	1	5507854
Benzo(k)fluoranthene	ug/L	12 (1)	1	5507854
Biphenyl	ug/L	53	1	5507854
Bis(2-chloroethyl)ether	ug/L	64	1	5507854
Bis(2-chloroisopropyl)ether	ug/L	70	1	5507854
Bis(2-ethylhexyl)phthalate	ug/L	13 (1)	1	5507854
Chrysene	ug/L	12 (1)	1	5507854
Dibenz(a,h)anthracene	ug/L	8 (1)	1	5507854
Diethyl phthalate	ug/L	92	1	5507854
Dimethyl phthalate	ug/L	95	1	5507854

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GON183		
Sampling Date		2018/04/19		
COC Number		657877-01-01		
	UNITS	**FILTERED SPIKE**	**RDL**	**QC Batch**
Fluoranthene	ug/L	25 (1)	1	5507854
Fluorene	ug/L	49 (1)	1	5507854
Indeno(1,2,3-cd)pyrene	ug/L	7 (1)	1	5507854
Naphthalene	ug/L	75	1	5507854
p-Chloroaniline	ug/L	76	1	5507854
Pentachlorophenol	ug/L	71	1	5507854
Phenanthrene	ug/L	35 (1)	1	5507854
Phenol	ug/L	27 (1)	1	5507854
Pyrene	ug/L	21 (1)	1	5507854
Surrogate Recovery (%)				
2,4,6-Tribromophenol	%	97		5507854
2-Fluorobiphenyl	%	48 (2)		5507854
D14-Terphenyl (FS)	%	45 (2)		5507854
D5-Nitrobenzene	%	66		5507854

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

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

(2) Surrogate recovery was below the lower control limit due to matrix interference. This may represent a low bias in some results.

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 VOCS BY HS (WATER)

Maxxam ID		GMS695		
Sampling Date		2018/04/19		
COC Number		657877-02-01		
	UNITS	**TRIP BLANK**	**RDL**	**QC Batch**
Calculated Parameters				
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	5494494
Volatile Organics				
Acetone (2-Propanone)	ug/L	<10	10	5496166
Benzene	ug/L	<0.20	0.20	5496166
Bromodichloromethane	ug/L	<0.50	0.50	5496166
Bromoform	ug/L	<1.0	1.0	5496166
Bromomethane	ug/L	<0.50	0.50	5496166
Carbon Tetrachloride	ug/L	<0.20	0.20	5496166
Chlorobenzene	ug/L	<0.20	0.20	5496166
Chloroform	ug/L	<0.20	0.20	5496166
Dibromochloromethane	ug/L	<0.50	0.50	5496166
1,2-Dichlorobenzene	ug/L	<0.50	0.50	5496166
1,3-Dichlorobenzene	ug/L	<0.50	0.50	5496166
1,4-Dichlorobenzene	ug/L	<0.50	0.50	5496166
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	5496166
1,1-Dichloroethane	ug/L	<0.20	0.20	5496166
1,2-Dichloroethane	ug/L	<0.50	0.50	5496166
1,1-Dichloroethylene	ug/L	<0.20	0.20	5496166
cis-1,2-Dichloroethylene	ug/L	<0.50	0.50	5496166
trans-1,2-Dichloroethylene	ug/L	<0.50	0.50	5496166
1,2-Dichloropropane	ug/L	<0.20	0.20	5496166
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	5496166
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	5496166
Ethylbenzene	ug/L	<0.20	0.20	5496166
Ethylene Dibromide	ug/L	<0.20	0.20	5496166
Hexane	ug/L	<1.0	1.0	5496166
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	5496166
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	5496166
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	5496166
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	5496166
Styrene	ug/L	<0.50	0.50	5496166

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

O.REG 153 VOCS BY HS (WATER)

Maxxam ID		GMS695		
Sampling Date		2018/04/19		
COC Number		657877-02-01		
	UNITS	**TRIP BLANK**	**RDL**	**QC Batch**
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	5496166
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	5496166
Tetrachloroethylene	ug/L	<0.20	0.20	5496166
Toluene	ug/L	<0.20	0.20	5496166
1,1,1-Trichloroethane	ug/L	<0.20	0.20	5496166
1,1,2-Trichloroethane	ug/L	<0.50	0.50	5496166
Trichloroethylene	ug/L	<0.20	0.20	5496166
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	5496166
Vinyl Chloride	ug/L	<0.20	0.20	5496166
p+m-Xylene	ug/L	<0.20	0.20	5496166
o-Xylene	ug/L	<0.20	0.20	5496166
Total Xylenes	ug/L	<0.20	0.20	5496166
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	96		5496166
D4-1,2-Dichloroethane	%	110		5496166
D8-Toluene	%	96		5496166

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMS638
Sample ID: WG-160900764-20180419-RD09
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/27	Milijana Avramovic
Acidity (CaCO3) in water	MT	5502201	N/A	2018/04/26	Brent Boudreau
Alkalinity	AT	5495617	N/A	2018/04/23	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5493621	N/A	2018/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5495658	N/A	2018/04/22	Deonarine Ramnarine
Conductivity	AT	5495618	N/A	2018/04/23	Surinder Rai
Chromium (VI) in Water	IC	5497034	N/A	2018/04/26	Sally Coughlin
Free (WAD) Cyanide	SKAL/CN	5496549	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5495645	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5500137	2018/04/25	2018/04/26	(Kent) Maolin Li
Fluoride	ISE	5495620	2018/04/21	2018/04/23	Surinder Rai
Hardness (calculated as CaCO3)		5494032	N/A	2018/04/24	Automated Statchk
Mercury	CV/AA	5500593	2018/04/25	2018/04/25	Ron Morrison
Dissolved Metals by ICPMS	ICP/MS	5493639	N/A	2018/04/23	Thao Nguyen
Ion Balance (% Difference)	CALC	5493629	N/A	2018/04/24	Automated Statchk
Anion and Cation Sum	CALC	5493630	N/A	2018/04/24	Automated Statchk
Total Ammonia-N	LACH/NH4	5500439	N/A	2018/04/27	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5495623	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5496644	2018/04/23	2018/04/24	Sarah Huang
pH	AT	5495619	N/A	2018/04/23	Surinder Rai
Orthophosphate	KONE	5495661	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5493631	N/A	2018/04/24	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5493632	N/A	2018/04/24	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5495660	N/A	2018/04/23	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5493633	N/A	2018/04/24	Automated Statchk
Total Dissolved Solids	BAL	5501563	2018/04/25	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5498220	N/A	2018/04/25	Anastasia Hamanov
Total Suspended Solids	BAL	5502252	2018/04/25	2018/04/26	Fang Wang
Turbidity	AT	5493985	N/A	2018/04/21	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5496185	N/A	2018/04/25	Anna Gabrielyan

Maxxam ID: GMS638 Dup
Sample ID: WG-160900764-20180419-RD09
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury	CV/AA	5500593	2018/04/25	2018/04/25	Ron Morrison
Total Suspended Solids	BAL	5502252	2018/04/26	2018/04/26	Fang Wang

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMS639
Sample ID: WG-160900764-20180419-RD09A
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/27	Milijana Avramovic

Maxxam ID: GMS640
Sample ID: WG-160900764-20180419-RD10
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/27	Milijana Avramovic
Acidity (CaCO3) in water	MT	5502201	N/A	2018/04/26	Brent Boudreau
Alkalinity	AT	5495617	N/A	2018/04/23	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5493621	N/A	2018/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5495658	N/A	2018/04/22	Deonarine Ramnarine
Conductivity	AT	5495618	N/A	2018/04/23	Surinder Rai
Chromium (VI) in Water	IC	5497034	N/A	2018/04/26	Sally Coughlin
Free (WAD) Cyanide	SKAL/CN	5496549	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5495648	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5500137	2018/04/25	2018/04/26	(Kent) Maolin Li
Fluoride	ISE	5495620	2018/04/21	2018/04/23	Surinder Rai
Hardness (calculated as CaCO3)		5494032	N/A	2018/04/24	Automated Statchk
Mercury	CV/AA	5497806	2018/04/24	2018/04/24	Ron Morrison
Dissolved Metals by ICPMS	ICP/MS	5493639	N/A	2018/04/23	Thao Nguyen
Ion Balance (% Difference)	CALC	5493629	N/A	2018/04/24	Automated Statchk
Anion and Cation Sum	CALC	5493630	N/A	2018/04/24	Automated Statchk
Total Ammonia-N	LACH/NH4	5500439	N/A	2018/04/27	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5495622	N/A	2018/04/24	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5496644	2018/04/23	2018/04/24	Sarah Huang
pH	AT	5495619	N/A	2018/04/23	Surinder Rai
Orthophosphate	KONE	5495661	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5493631	N/A	2018/04/24	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5493632	N/A	2018/04/24	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5495660	N/A	2018/04/23	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5493633	N/A	2018/04/24	Automated Statchk
Total Dissolved Solids	BAL	5501563	2018/04/25	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5498216	N/A	2018/04/26	Anastasia Hamanov
Total Suspended Solids	BAL	5501880	2018/04/23	2018/04/27	Fang Wang
Turbidity	AT	5494786	N/A	2018/04/21	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5496185	N/A	2018/04/25	Anna Gabrielyan

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMS640 Dup
Sample ID: WG-160900764-20180419-RD10
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chromium (VI) in Water	IC	5497034	N/A	2018/04/26	Sally Coughlin

Maxxam ID: GMS641
Sample ID: WG-160900764-20180419-RD10A
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic

Maxxam ID: GMS642
Sample ID: WG-160900764-20180419-RD11
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic
Acidity (CaCO3) in water	MT	5502201	N/A	2018/04/26	Brent Boudreau
Alkalinity	AT	5495617	N/A	2018/04/23	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5493621	N/A	2018/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5495658	N/A	2018/04/22	Deonarine Ramnarine
Conductivity	AT	5495618	N/A	2018/04/23	Surinder Rai
Chromium (VI) in Water	IC	5497034	N/A	2018/04/26	Sally Coughlin
Free (WAD) Cyanide	SKAL/CN	5496549	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5495645	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5500137	2018/04/25	2018/04/26	(Kent) Maolin Li
Fluoride	ISE	5495620	2018/04/21	2018/04/23	Surinder Rai
Hardness (calculated as CaCO3)		5494032	N/A	2018/04/24	Automated Statchk
Mercury	CV/AA	5500593	2018/04/25	2018/04/25	Ron Morrison
Dissolved Metals by ICPMS	ICP/MS	5493639	N/A	2018/04/23	Thao Nguyen
Ion Balance (% Difference)	CALC	5493629	N/A	2018/04/24	Automated Statchk
Anion and Cation Sum	CALC	5493630	N/A	2018/04/24	Automated Statchk
Total Ammonia-N	LACH/NH4	5498354	N/A	2018/04/26	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5495623	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5496644	2018/04/23	2018/04/24	Sarah Huang
pH	AT	5495619	N/A	2018/04/23	Surinder Rai
Orthophosphate	KONE	5495661	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5493631	N/A	2018/04/24	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5493632	N/A	2018/04/24	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5495660	N/A	2018/04/23	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5493633	N/A	2018/04/24	Automated Statchk
Total Dissolved Solids	BAL	5501563	2018/04/25	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5498220	N/A	2018/04/24	Anastasia Hamanov

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Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMS642
Sample ID: WG-160900764-20180419-RD11
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Suspended Solids	BAL	5501880	2018/04/25	2018/04/27	Fang Wang
Turbidity	AT	5494786	N/A	2018/04/21	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5496185	N/A	2018/04/25	Anna Gabrielyan

Maxxam ID: GMS643
Sample ID: WG-160900764-20180419-RD11A
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/05/02	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5507854	2018/04/30	2018/05/01	Milijana Avramovic

Maxxam ID: GMS644
Sample ID: WG-160900764-20180419-RD12
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic
Acidity (CaCO3) in water	MT	5502201	N/A	2018/04/26	Brent Boudreau
Alkalinity	AT	5495617	N/A	2018/04/23	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5493621	N/A	2018/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5495658	N/A	2018/04/22	Deonarine Ramnarine
Conductivity	AT	5495618	N/A	2018/04/23	Surinder Rai
Chromium (VI) in Water	IC	5497034	N/A	2018/04/26	Sally Coughlin
Free (WAD) Cyanide	SKAL/CN	5496549	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5495648	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5500137	2018/04/25	2018/04/26	(Kent) Maolin Li
Fluoride	ISE	5495620	2018/04/21	2018/04/23	Surinder Rai
Hardness (calculated as CaCO3)		5494032	N/A	2018/04/24	Automated Statchk
Mercury	CV/AA	5500593	2018/04/25	2018/04/25	Ron Morrison
Dissolved Metals by ICPMS	ICP/MS	5493639	N/A	2018/04/23	Thao Nguyen
Ion Balance (% Difference)	CALC	5493629	N/A	2018/04/24	Automated Statchk
Anion and Cation Sum	CALC	5493630	N/A	2018/04/24	Automated Statchk
Total Ammonia-N	LACH/NH4	5500439	N/A	2018/04/27	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5495622	N/A	2018/04/24	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5496644	2018/04/23	2018/04/24	Sarah Huang
pH	AT	5495619	N/A	2018/04/23	Surinder Rai
Orthophosphate	KONE	5495661	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5493631	N/A	2018/04/24	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5493632	N/A	2018/04/24	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5495660	N/A	2018/04/23	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5493633	N/A	2018/04/24	Automated Statchk

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMS644
Sample ID: WG-160900764-20180419-RD12
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	5497155	2018/04/23	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5498220	N/A	2018/04/25	Anastasia Hamanov
Total Suspended Solids	BAL	5497144	2018/04/23	2018/04/25	Fang Wang
Turbidity	AT	5493985	N/A	2018/04/21	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5496185	N/A	2018/04/25	Anna Gabrielyan

Maxxam ID: GMS644 Dup
Sample ID: WG-160900764-20180419-RD12
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	5495617	N/A	2018/04/23	Surinder Rai
Conductivity	AT	5495618	N/A	2018/04/23	Surinder Rai
Fluoride	ISE	5495620	2018/04/21	2018/04/23	Surinder Rai
pH	AT	5495619	N/A	2018/04/23	Surinder Rai

Maxxam ID: GMS645
Sample ID: WG-160900764-20180419-RD12A
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic

Maxxam ID: GMS646
Sample ID: WG-160900764-20180419-RD13
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic
Acidity (CaCO3) in water	MT	5502201	N/A	2018/04/26	Brent Boudreau
Alkalinity	AT	5495617	N/A	2018/04/23	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5493621	N/A	2018/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5495658	N/A	2018/04/22	Deonarine Ramnarine
Conductivity	AT	5495618	N/A	2018/04/23	Surinder Rai
Chromium (VI) in Water	IC	5497034	N/A	2018/04/26	Sally Coughlin
Free (WAD) Cyanide	SKAL/CN	5496549	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5495645	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5500137	2018/04/25	2018/04/26	(Kent) Maolin Li
Fluoride	ISE	5495620	2018/04/21	2018/04/23	Surinder Rai
Hardness (calculated as CaCO3)		5494032	N/A	2018/04/24	Automated Statchk
Mercury	CV/AA	5497806	2018/04/24	2018/04/24	Ron Morrison

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMS646
Sample ID: WG-160900764-20180419-RD13
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	5493639	N/A	2018/04/23	Thao Nguyen
Ion Balance (% Difference)	CALC	5493629	N/A	2018/04/24	Automated Statchk
Anion and Cation Sum	CALC	5493630	N/A	2018/04/24	Automated Statchk
Total Ammonia-N	LACH/NH4	5500439	N/A	2018/04/27	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5495623	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5496644	2018/04/23	2018/04/24	Sarah Huang
pH	AT	5495619	N/A	2018/04/23	Surinder Rai
Orthophosphate	KONE	5495661	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5493631	N/A	2018/04/24	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5493632	N/A	2018/04/24	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5495660	N/A	2018/04/23	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5493633	N/A	2018/04/24	Automated Statchk
Total Dissolved Solids	BAL	5497155	2018/04/23	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5498216	N/A	2018/04/26	Anastasia Hamanov
Total Suspended Solids	BAL	5497144	2018/04/23	2018/04/25	Fang Wang
Turbidity	AT	5495663	N/A	2018/04/21	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5496185	N/A	2018/04/25	Anna Gabrielyan

Maxxam ID: GMS646 Dup
Sample ID: WG-160900764-20180419-RD13
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Turbidity	AT	5495663	N/A	2018/04/21	Tahir Anwar

Maxxam ID: GMS647
Sample ID: WG-160900764-20180419-RD13A
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic

Maxxam ID: GMS689
Sample ID: WG-160900764-20180419-RD14
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/27	Milijana Avramovic
Acidity (CaCO3) in water	MT	5502201	N/A	2018/04/26	Brent Boudreau
Alkalinity	AT	5495617	N/A	2018/04/23	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5493621	N/A	2018/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/26	Automated Statchk

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMS689
Sample ID: WG-160900764-20180419-RD14
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	5495658	N/A	2018/04/22	Deonarine Ramnarine
Conductivity	AT	5495618	N/A	2018/04/23	Surinder Rai
Chromium (VI) in Water	IC	5497034	N/A	2018/04/26	Sally Coughlin
Free (WAD) Cyanide	SKAL/CN	5496549	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5495648	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5500137	2018/04/25	2018/04/26	(Kent) Maolin Li
Fluoride	ISE	5495620	2018/04/21	2018/04/23	Surinder Rai
Hardness (calculated as CaCO3)		5494032	N/A	2018/04/24	Automated Statchk
Mercury	CV/AA	5497806	2018/04/24	2018/04/24	Ron Morrison
Dissolved Metals by ICPMS	ICP/MS	5493639	N/A	2018/04/23	Thao Nguyen
Ion Balance (% Difference)	CALC	5493629	N/A	2018/04/24	Automated Statchk
Anion and Cation Sum	CALC	5493630	N/A	2018/04/24	Automated Statchk
Total Ammonia-N	LACH/NH4	5500439	N/A	2018/04/27	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5495623	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5496644	2018/04/23	2018/04/24	Sarah Huang
pH	AT	5495619	N/A	2018/04/23	Surinder Rai
Orthophosphate	KONE	5495661	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5493631	N/A	2018/04/24	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5493632	N/A	2018/04/24	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5495660	N/A	2018/04/23	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5493633	N/A	2018/04/24	Automated Statchk
Total Dissolved Solids	BAL	5501563	2018/04/25	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5498220	N/A	2018/04/25	Anastasia Hamanov
Total Suspended Solids	BAL	5501880	2018/04/23	2018/04/27	Fang Wang
Turbidity	AT	5494786	N/A	2018/04/21	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5496185	N/A	2018/04/25	Anna Gabrielyan

Maxxam ID: GMS689 Dup
Sample ID: WG-160900764-20180419-RD14
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Suspended Solids	BAL	5501880	2018/04/25	2018/04/27	Fang Wang

Maxxam ID: GMS690
Sample ID: WG-160900764-20180419-RD14A
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMS691
Sample ID: WG-160900764-20180419-RD15
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/27	Milijana Avramovic
Acidity (CaCO3) in water	MT	5502201	N/A	2018/04/26	Brent Boudreau
Alkalinity	AT	5495617	N/A	2018/04/23	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5493621	N/A	2018/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5495658	N/A	2018/04/22	Deonarine Ramnarine
Conductivity	AT	5495618	N/A	2018/04/23	Surinder Rai
Chromium (VI) in Water	IC	5497034	N/A	2018/04/26	Sally Coughlin
Free (WAD) Cyanide	SKAL/CN	5496549	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5496782	N/A	2018/04/24	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5500137	2018/04/25	2018/04/26	(Kent) Maolin Li
Fluoride	ISE	5495620	2018/04/21	2018/04/23	Surinder Rai
Hardness (calculated as CaCO3)		5494032	N/A	2018/04/24	Automated Statchk
Mercury	CV/AA	5500593	2018/04/24	2018/04/25	Ron Morrison
Dissolved Metals by ICPMS	ICP/MS	5493639	N/A	2018/04/23	Thao Nguyen
Ion Balance (% Difference)	CALC	5493629	N/A	2018/04/24	Automated Statchk
Anion and Cation Sum	CALC	5493630	N/A	2018/04/24	Automated Statchk
Total Ammonia-N	LACH/NH4	5500439	N/A	2018/04/27	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5495623	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5496644	2018/04/23	2018/04/24	Sarah Huang
pH	AT	5495619	N/A	2018/04/23	Surinder Rai
Orthophosphate	KONE	5495661	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5493631	N/A	2018/04/24	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5493632	N/A	2018/04/24	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5495660	N/A	2018/04/23	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5493633	N/A	2018/04/24	Automated Statchk
Total Dissolved Solids	BAL	5497155	2018/04/23	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5498220	N/A	2018/04/25	Anastasia Hamanov
Total Suspended Solids	BAL	5497144	2018/04/23	2018/04/25	Fang Wang
Turbidity	AT	5493985	N/A	2018/04/21	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5496185	N/A	2018/04/25	Anna Gabrielyan

Maxxam ID: GMS691 Dup
Sample ID: WG-160900764-20180419-RD15
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/24	2018/04/27	Milijana Avramovic

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMS692
Sample ID: WG-160900764-20180419-RD15A
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5493571	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic

Maxxam ID: GMS693
Sample ID: FIELD BLANK
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5494530	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/26	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5496185	N/A	2018/04/25	Anna Gabrielyan

Maxxam ID: GMS694
Sample ID: EQUIPMENT BLANK
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5494530	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/26	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5496185	N/A	2018/04/25	Anna Gabrielyan

Maxxam ID: GMS695
Sample ID: TRIP BLANK
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5494530	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic
1,3-Dichloropropene Sum	CALC	5494494	N/A	2018/04/24	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	5496166	N/A	2018/04/23	Rebecca McClean

Maxxam ID: GMT881
Sample ID: FILTERED BLANK
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5494530	N/A	2018/04/30	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

TEST SUMMARY

Maxxam ID: GMT882
Sample ID: FILTERED SPIKE
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by SIM GC/MS	GC/MS	5499169	2018/04/23	2018/04/28	Milijana Avramovic

Maxxam ID: GON182
Sample ID: FILTERED BLANK
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5507372	N/A	2018/05/02	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5507854	2018/04/30	2018/05/01	Milijana Avramovic

Maxxam ID: GON183
Sample ID: FILTERED SPIKE
Matrix: Water

Collected: 2018/04/19
Shipped:
Received: 2018/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by SIM GC/MS	GC/MS	5507854	2018/04/30	2018/05/01	Milijana Avramovic

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Maxxam Job #: B890096
Report Date: 2018/05/02

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Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

GENERAL COMMENTS

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

Package 1	2.3°C
Package 2	2.0°C
Package 3	1.7°C
Package 4	2.0°C
Package 5	2.7°C
Package 6	1.0°C

Sample GMS638 [WG-160900764-20180419-RD09] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample GMS640 [WG-160900764-20180419-RD10] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample GMS642 [WG-160900764-20180419-RD11] : Hexavalent Chromium > Total/Dissolved Chromium: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample GMS689 [WG-160900764-20180419-RD14] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample GMT882 [FILTERED SPIKE] : ABN analysis: Data are reported as percentage recoveries.

Sample GON183 [FILTERED SPIKE] : ABN analysis: Data are reported as percentage recoveries.

Results relate only to the items tested.

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Maxxam Job #: B890096
Report Date: 2018/05/02

QUALITY ASSURANCE REPORT

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
5496166	4-Bromofluorobenzene	2018/04/23	99	70 - 130	99	70 - 130	97	%				
5496166	D4-1,2-Dichloroethane	2018/04/23	101	70 - 130	103	70 - 130	104	%				
5496166	D8-Toluene	2018/04/23	104	70 - 130	101	70 - 130	99	%				
5496185	4-Bromofluorobenzene	2018/04/25	96	70 - 130	96	70 - 130	92	%				
5496185	D4-1,2-Dichloroethane	2018/04/25	101	70 - 130	103	70 - 130	101	%				
5496185	D8-Toluene	2018/04/25	103	70 - 130	102	70 - 130	103	%				
5496644	Decachlorobiphenyl	2018/04/23	120	60 - 130	89	60 - 130	102	%				
5499169	2,4,6-Tribromophenol	2018/04/27	97	50 - 130	93	50 - 130	80	%				
5499169	2-Fluorobiphenyl	2018/04/27	58	50 - 130	64	50 - 130	89	%				
5499169	D14-Terphenyl (FS)	2018/04/27	111	50 - 130	103	50 - 130	102	%				
5499169	D5-Nitrobenzene	2018/04/27	83	50 - 130	85	50 - 130	83	%				
5500137	o-Terphenyl	2018/04/26	100	60 - 130	99	60 - 130	96	%				
5507854	2,4,6-Tribromophenol	2018/05/01	111	50 - 130	84	50 - 130	51	%				
5507854	2-Fluorobiphenyl	2018/05/01	67	50 - 130	58	50 - 130	60	%				
5507854	D14-Terphenyl (FS)	2018/05/01	91	50 - 130	88	50 - 130	90	%				
5507854	D5-Nitrobenzene	2018/05/01	59	50 - 130	62	50 - 130	59	%				
5493639	Dissolved Aluminum (Al)	2018/04/23	96	80 - 120	100	80 - 120	<0.0050	mg/L	9.8	20		
5493639	Dissolved Antimony (Sb)	2018/04/23	102	80 - 120	100	80 - 120	<0.00050	mg/L				
5493639	Dissolved Arsenic (As)	2018/04/23	94	80 - 120	95	80 - 120	<0.0010	mg/L				
5493639	Dissolved Barium (Ba)	2018/04/23	96	80 - 120	99	80 - 120	<0.0020	mg/L	2.4	20		
5493639	Dissolved Beryllium (Be)	2018/04/23	96	80 - 120	98	80 - 120	<0.00050	mg/L	NC	20		
5493639	Dissolved Boron (B)	2018/04/23	97	80 - 120	97	80 - 120	<0.010	mg/L	5.8	20		
5493639	Dissolved Cadmium (Cd)	2018/04/23	96	80 - 120	97	80 - 120	<0.00010	mg/L	NC	20		
5493639	Dissolved Calcium (Ca)	2018/04/23	96	80 - 120	99	80 - 120	<0.20	mg/L	4.4	20		
5493639	Dissolved Chromium (Cr)	2018/04/23	93	80 - 120	94	80 - 120	<0.0050	mg/L	NC	20		
5493639	Dissolved Cobalt (Co)	2018/04/23	93	80 - 120	95	80 - 120	<0.00050	mg/L	NC	20		
5493639	Dissolved Copper (Cu)	2018/04/23	97	80 - 120	100	80 - 120	<0.0010	mg/L	NC	20		
5493639	Dissolved Iron (Fe)	2018/04/23	96	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
5493639	Dissolved Lead (Pb)	2018/04/23	93	80 - 120	94	80 - 120	<0.00050	mg/L	NC	20		
5493639	Dissolved Magnesium (Mg)	2018/04/23	95	80 - 120	99	80 - 120	<0.050	mg/L	7.9	20		
5493639	Dissolved Manganese (Mn)	2018/04/23	92	80 - 120	95	80 - 120	<0.0020	mg/L	5.1	20		

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Maxxam Job #: B890096
Report Date: 2018/05/02

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
5493639	Dissolved Molybdenum (Mo)	2018/04/23	99	80 - 120	98	80 - 120	<0.00050	mg/L	2.2	20		
5493639	Dissolved Nickel (Ni)	2018/04/23	94	80 - 120	94	80 - 120	<0.0010	mg/L	NC	20		
5493639	Dissolved Phosphorus (P)	2018/04/23	103	80 - 120	111	80 - 120	<0.10	mg/L	NC	20		
5493639	Dissolved Potassium (K)	2018/04/23	95	80 - 120	100	80 - 120	<0.20	mg/L	8.6	20		
5493639	Dissolved Selenium (Se)	2018/04/23	97	80 - 120	96	80 - 120	<0.0020	mg/L	NC	20		
5493639	Dissolved Silicon (Si)	2018/04/23	95	80 - 120	97	80 - 120	<0.050	mg/L				
5493639	Dissolved Silver (Ag)	2018/04/23	95	80 - 120	96	80 - 120	<0.00010	mg/L	NC	20		
5493639	Dissolved Sodium (Na)	2018/04/23	93	80 - 120	100	80 - 120	<0.10	mg/L	6.6	20		
5493639	Dissolved Strontium (Sr)	2018/04/23	NC	80 - 120	94	80 - 120	<0.0010	mg/L				
5493639	Dissolved Thallium (Tl)	2018/04/23	91	80 - 120	92	80 - 120	<0.000050	mg/L				
5493639	Dissolved Titanium (Ti)	2018/04/23	101	80 - 120	99	80 - 120	<0.0050	mg/L				
5493639	Dissolved Uranium (U)	2018/04/23	96	80 - 120	94	80 - 120	<0.00010	mg/L				
5493639	Dissolved Vanadium (V)	2018/04/23	95	80 - 120	97	80 - 120	<0.00050	mg/L	NC	20		
5493639	Dissolved Zinc (Zn)	2018/04/23	94	80 - 120	95	80 - 120	<0.0050	mg/L	NC	20		
5493639	Dissolved Zirconium (Zr)	2018/04/23	100	80 - 120	100	80 - 120	<0.0010	mg/L				
5493985	Turbidity	2018/04/21			101	85 - 115	<0.1	NTU	5.8	20		
5494786	Turbidity	2018/04/21			101	85 - 115	<0.1	NTU	4.1	20		
5495617	Alkalinity (Total as CaCO3)	2018/04/23			95	85 - 115	<1.0	mg/L	0.62	20		
5495618	Conductivity	2018/04/23			100	85 - 115	<1.0	umho/cm	0	25		
5495619	pH	2018/04/23			102	98 - 103			0.13	N/A		
5495620	Fluoride (F-)	2018/04/23	102	80 - 120	101	80 - 120	<0.10	mg/L	1.9	20		
5495622	Nitrate (N)	2018/04/24	96	80 - 120	97	80 - 120	<0.10	mg/L	0.52	20		
5495622	Nitrite (N)	2018/04/24	94	80 - 120	96	80 - 120	<0.010	mg/L	NC	20		
5495623	Nitrate (N)	2018/04/23	95	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
5495623	Nitrite (N)	2018/04/23	93	80 - 120	97	80 - 120	<0.010	mg/L	NC	20		
5495645	Dissolved Organic Carbon	2018/04/21	99	80 - 120	100	80 - 120	<0.50	mg/L	1.5	20		
5495648	Dissolved Organic Carbon	2018/04/21	98	80 - 120	100	80 - 120	<0.50	mg/L	0.43	20		
5495658	Dissolved Chloride (Cl)	2018/04/22	105	80 - 120	106	80 - 120	<1.0	mg/L	2.1	20		
5495660	Dissolved Sulphate (SO4)	2018/04/23	NC	75 - 125	100	80 - 120	<1.0	mg/L	0.86	20		
5495661	Orthophosphate (P)	2018/04/22	111	75 - 125	101	80 - 120	<0.010	mg/L	13	25		

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QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
5495663	Turbidity	2018/04/21			99	85 - 115	<0.1	NTU	1.5	20		
5496166	1,1,1,2-Tetrachloroethane	2018/04/23	100	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5496166	1,1,1-Trichloroethane	2018/04/23	100	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
5496166	1,1,2,2-Tetrachloroethane	2018/04/23	100	70 - 130	99	70 - 130	<0.50	ug/L	NC	30		
5496166	1,1,2-Trichloroethane	2018/04/23	102	70 - 130	100	70 - 130	<0.50	ug/L	NC	30		
5496166	1,1-Dichloroethane	2018/04/23	102	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
5496166	1,1-Dichloroethylene	2018/04/23	102	70 - 130	99	70 - 130	<0.20	ug/L	NC	30		
5496166	1,2-Dichlorobenzene	2018/04/23	100	70 - 130	96	70 - 130	<0.50	ug/L	NC	30		
5496166	1,2-Dichloroethane	2018/04/23	100	70 - 130	100	70 - 130	<0.50	ug/L	NC	30		
5496166	1,2-Dichloropropane	2018/04/23	100	70 - 130	99	70 - 130	<0.20	ug/L	NC	30		
5496166	1,3-Dichlorobenzene	2018/04/23	101	70 - 130	96	70 - 130	<0.50	ug/L	NC	30		
5496166	1,4-Dichlorobenzene	2018/04/23	101	70 - 130	96	70 - 130	<0.50	ug/L	NC	30		
5496166	Acetone (2-Propanone)	2018/04/23	103	60 - 140	106	60 - 140	<10	ug/L	NC	30		
5496166	Benzene	2018/04/23	99	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
5496166	Bromodichloromethane	2018/04/23	100	70 - 130	98	70 - 130	<0.50	ug/L	NC	30		
5496166	Bromoform	2018/04/23	96	70 - 130	96	70 - 130	<1.0	ug/L	NC	30		
5496166	Bromomethane	2018/04/23	92	60 - 140	97	60 - 140	<0.50	ug/L	NC	30		
5496166	Carbon Tetrachloride	2018/04/23	97	70 - 130	94	70 - 130	<0.20	ug/L	NC	30		
5496166	Chlorobenzene	2018/04/23	100	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
5496166	Chloroform	2018/04/23	100	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
5496166	cis-1,2-Dichloroethylene	2018/04/23	99	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5496166	cis-1,3-Dichloropropene	2018/04/23	96	70 - 130	103	70 - 130	<0.30	ug/L	NC	30		
5496166	Dibromochloromethane	2018/04/23	98	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5496166	Dichlorodifluoromethane (FREON 12)	2018/04/23	99	60 - 140	97	60 - 140	<1.0	ug/L	NC	30		
5496166	Ethylbenzene	2018/04/23	101	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
5496166	Ethylene Dibromide	2018/04/23	99	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
5496166	Hexane	2018/04/23	104	70 - 130	101	70 - 130	<1.0	ug/L	NC	30		
5496166	Methyl Ethyl Ketone (2-Butanone)	2018/04/23	105	60 - 140	107	60 - 140	<10	ug/L	NC	30		
5496166	Methyl Isobutyl Ketone	2018/04/23	108	70 - 130	110	70 - 130	<5.0	ug/L	NC	30		
5496166	Methyl t-butyl ether (MTBE)	2018/04/23	99	70 - 130	98	70 - 130	<0.50	ug/L	NC	30		
5496166	Methylene Chloride(Dichloromethane)	2018/04/23	91	70 - 130	90	70 - 130	<2.0	ug/L	NC	30		

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QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
5496166	o-Xylene	2018/04/23	100	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
5496166	p+m-Xylene	2018/04/23	101	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
5496166	Styrene	2018/04/23	105	70 - 130	102	70 - 130	<0.50	ug/L	NC	30		
5496166	Tetrachloroethylene	2018/04/23	100	70 - 130	95	70 - 130	<0.20	ug/L	NC	30		
5496166	Toluene	2018/04/23	101	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
5496166	Total Xylenes	2018/04/23					<0.20	ug/L	NC	30		
5496166	trans-1,2-Dichloroethylene	2018/04/23	98	70 - 130	96	70 - 130	<0.50	ug/L	NC	30		
5496166	trans-1,3-Dichloropropene	2018/04/23	94	70 - 130	107	70 - 130	<0.40	ug/L	NC	30		
5496166	Trichloroethylene	2018/04/23	99	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
5496166	Trichlorofluoromethane (FREON 11)	2018/04/23	97	70 - 130	94	70 - 130	<0.50	ug/L	NC	30		
5496166	Vinyl Chloride	2018/04/23	100	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
5496185	1,1,1,2-Tetrachloroethane	2018/04/25	100	70 - 130	100	70 - 130	<0.50	ug/L	NC	30		
5496185	1,1,1-Trichloroethane	2018/04/25	102	70 - 130	102	70 - 130	<0.20	ug/L	NC	30		
5496185	1,1,2,2-Tetrachloroethane	2018/04/25	105	70 - 130	104	70 - 130	<0.50	ug/L	NC	30		
5496185	1,1,2-Trichloroethane	2018/04/25	103	70 - 130	105	70 - 130	<0.50	ug/L	NC	30		
5496185	1,1-Dichloroethane	2018/04/25	99	70 - 130	99	70 - 130	<0.20	ug/L	NC	30		
5496185	1,1-Dichloroethylene	2018/04/25	103	70 - 130	101	70 - 130	<0.20	ug/L	NC	30		
5496185	1,2-Dichlorobenzene	2018/04/25	107	70 - 130	107	70 - 130	<0.50	ug/L	NC	30		
5496185	1,2-Dichloroethane	2018/04/25	100	70 - 130	101	70 - 130	<0.50	ug/L	NC	30		
5496185	1,2-Dichloropropane	2018/04/25	96	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
5496185	1,3-Dichlorobenzene	2018/04/25	111	70 - 130	113	70 - 130	<0.50	ug/L	NC	30		
5496185	1,4-Dichlorobenzene	2018/04/25	113	70 - 130	115	70 - 130	<0.50	ug/L	NC	30		
5496185	Acetone (2-Propanone)	2018/04/25	100	60 - 140	105	60 - 140	<10	ug/L	NC	30		
5496185	Benzene	2018/04/25	98	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
5496185	Bromodichloromethane	2018/04/25	98	70 - 130	99	70 - 130	<0.50	ug/L	NC	30		
5496185	Bromoform	2018/04/25	93	70 - 130	92	70 - 130	<1.0	ug/L	NC	30		
5496185	Bromomethane	2018/04/25	93	60 - 140	92	60 - 140	<0.50	ug/L	NC	30		
5496185	Carbon Tetrachloride	2018/04/25	101	70 - 130	99	70 - 130	<0.20	ug/L	NC	30		
5496185	Chlorobenzene	2018/04/25	99	70 - 130	99	70 - 130	<0.20	ug/L	NC	30		
5496185	Chloroform	2018/04/25	100	70 - 130	99	70 - 130	<0.20	ug/L	NC	30		
5496185	cis-1,2-Dichloroethylene	2018/04/25	101	70 - 130	99	70 - 130	<0.50	ug/L	NC	30		

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QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
5496185	cis-1,3-Dichloropropene	2018/04/25	100	70 - 130	99	70 - 130	<0.30	ug/L	NC	30		
5496185	Dibromochloromethane	2018/04/25	91	70 - 130	91	70 - 130	<0.50	ug/L	NC	30		
5496185	Dichlorodifluoromethane (FREON 12)	2018/04/25	82	60 - 140	80	60 - 140	<1.0	ug/L	NC	30		
5496185	Ethylbenzene	2018/04/25	103	70 - 130	103	70 - 130	<0.20	ug/L	NC	30		
5496185	Ethylene Dibromide	2018/04/25	101	70 - 130	101	70 - 130	<0.20	ug/L	NC	30		
5496185	F1 (C6-C10) - BTEX	2018/04/25					<25	ug/L	NC	30		
5496185	F1 (C6-C10)	2018/04/25	104	60 - 140	102	60 - 140	<25	ug/L	NC	30		
5496185	Hexane	2018/04/25	98	70 - 130	96	70 - 130	<1.0	ug/L	NC	30		
5496185	Methyl Ethyl Ketone (2-Butanone)	2018/04/25	98	60 - 140	100	60 - 140	<10	ug/L	NC	30		
5496185	Methyl Isobutyl Ketone	2018/04/25	95	70 - 130	97	70 - 130	<5.0	ug/L	NC	30		
5496185	Methyl t-butyl ether (MTBE)	2018/04/25	96	70 - 130	95	70 - 130	<0.50	ug/L	NC	30		
5496185	Methylene Chloride(Dichloromethane)	2018/04/25	102	70 - 130	99	70 - 130	<2.0	ug/L	NC	30		
5496185	o-Xylene	2018/04/25	101	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
5496185	p+m-Xylene	2018/04/25	105	70 - 130	104	70 - 130	<0.20	ug/L	NC	30		
5496185	Styrene	2018/04/25	100	70 - 130	101	70 - 130	<0.50	ug/L	NC	30		
5496185	Tetrachloroethylene	2018/04/25	100	70 - 130	99	70 - 130	<0.20	ug/L	NC	30		
5496185	Toluene	2018/04/25	99	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
5496185	Total Xylenes	2018/04/25					<0.20	ug/L	NC	30		
5496185	trans-1,2-Dichloroethylene	2018/04/25	99	70 - 130	96	70 - 130	<0.50	ug/L	NC	30		
5496185	trans-1,3-Dichloropropene	2018/04/25	102	70 - 130	101	70 - 130	<0.40	ug/L	NC	30		
5496185	Trichloroethylene	2018/04/25	100	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
5496185	Trichlorofluoromethane (FREON 11)	2018/04/25	100	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5496185	Vinyl Chloride	2018/04/25	87	70 - 130	173 (1)	70 - 130	<0.20	ug/L	NC	30		
5496549	WAD Cyanide (Free)	2018/04/23	93	80 - 120	96	80 - 120	<1	ug/L	0	20		
5496644	Aroclor 1242	2018/04/23					<0.05	ug/L	NC	30		
5496644	Aroclor 1248	2018/04/23					<0.05	ug/L	NC	30		
5496644	Aroclor 1254	2018/04/23					<0.05	ug/L	NC	30		
5496644	Aroclor 1260	2018/04/23	120	60 - 130	86	60 - 130	<0.05	ug/L	NC	30		
5496644	Total PCB	2018/04/23	120	60 - 130	86	60 - 130	<0.05	ug/L	NC	40		
5496782	Dissolved Organic Carbon	2018/04/23	94	80 - 120	96	80 - 120	<0.50	mg/L	2.2	20		
5497034	Chromium (VI)	2018/04/26	101	80 - 120	103	80 - 120	<0.50	ug/L	NC	20		

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QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd
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Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
5497144	Total Suspended Solids	2018/04/25					<10	mg/L	NC	25	97	85 - 115
5497155	Total Dissolved Solids	2018/04/25					<10	mg/L	2.5	25	98	90 - 110
5497806	Mercury (Hg)	2018/04/24	108	75 - 125	98	80 - 120	<0.1	ug/L	NC	20		
5498216	Total Organic Carbon (TOC)	2018/04/26	NC	80 - 120	99	80 - 120	<0.50	mg/L	0.88	20		
5498220	Total Organic Carbon (TOC)	2018/04/24	96	80 - 120	99	80 - 120	<0.50	mg/L	1.8	20		
5498354	Total Ammonia-N	2018/04/26	97	75 - 125	100	80 - 120	<0.050	mg/L	13	20		
5499169	1,2,4-Trichlorobenzene	2018/04/27	66	40 - 130	74	40 - 130	<0.1	ug/L	NC	30		
5499169	1-Methylnaphthalene	2018/04/27	84	50 - 130	85	50 - 130	<0.2	ug/L	NC	30		
5499169	2,4,5-Trichlorophenol	2018/04/27	105	50 - 130	100	50 - 130	<0.2	ug/L	NC	30		
5499169	2,4,6-Trichlorophenol	2018/04/27	100	50 - 130	95	50 - 130	<0.2	ug/L	NC	30		
5499169	2,4-Dichlorophenol	2018/04/27	85	50 - 130	100	50 - 130	<0.1	ug/L	NC	30		
5499169	2,4-Dimethylphenol	2018/04/27	24 (2)	30 - 130	26 (2)	30 - 130	<0.5	ug/L	NC	30		
5499169	2,4-Dinitrophenol	2018/04/27	129	30 - 130	129	30 - 130	<2	ug/L	NC	30		
5499169	2,4-Dinitrotoluene	2018/04/27	97	50 - 130	94	50 - 130	<0.3	ug/L	NC	30		
5499169	2,6-Dinitrotoluene	2018/04/27	99	50 - 130	95	50 - 130	<0.3	ug/L	NC	30		
5499169	2-Chlorophenol	2018/04/27	82	50 - 130	80	50 - 130	<0.1	ug/L	NC	30		
5499169	2-Methylnaphthalene	2018/04/27	84	50 - 130	85	50 - 130	<0.2	ug/L	NC	30		
5499169	3,3'-Dichlorobenzidine	2018/04/27	80	30 - 130	80	30 - 130	<0.5	ug/L	NC	30		
5499169	Acenaphthene	2018/04/27	98	50 - 130	95	50 - 130	<0.2	ug/L	NC	30		
5499169	Acenaphthylene	2018/04/27	97	50 - 130	93	50 - 130	<0.2	ug/L	NC	30		
5499169	Anthracene	2018/04/27	90	50 - 130	86	50 - 130	<0.05	ug/L	NC	30		
5499169	Benzo(a)anthracene	2018/04/27	103	50 - 130	98	50 - 130	<0.05	ug/L	NC	30		
5499169	Benzo(a)pyrene	2018/04/27	99	50 - 130	95	50 - 130	<0.01	ug/L	NC	30		
5499169	Benzo(b/j)fluoranthene	2018/04/27	106	50 - 130	101	50 - 130	<0.05	ug/L	NC	30		
5499169	Benzo(g,h,i)perylene	2018/04/27	79	50 - 130	87	50 - 130	<0.05	ug/L	NC	30		
5499169	Benzo(k)fluoranthene	2018/04/27	107	50 - 130	98	50 - 130	<0.05	ug/L	NC	30		
5499169	Biphenyl	2018/04/27	81	50 - 130	81	50 - 130	<0.1	ug/L	NC	30		
5499169	Bis(2-chloroethyl)ether	2018/04/27	89	50 - 130	89	50 - 130	<0.5	ug/L	NC	30		
5499169	Bis(2-chloroisopropyl)ether	2018/04/27	89	50 - 130	91	50 - 130	<0.5	ug/L	NC	30		
5499169	Bis(2-ethylhexyl)phthalate	2018/04/27	101	50 - 130	103	50 - 130	<1	ug/L	NC	30		
5499169	Chrysene	2018/04/27	103	50 - 130	100	50 - 130	<0.05	ug/L	NC	30		

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Maxxam Job #: B890096
Report Date: 2018/05/02

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
5499169	Dibenz(a,h)anthracene	2018/04/27	78	50 - 130	84	50 - 130	<0.1	ug/L	NC	30		
5499169	Diethyl phthalate	2018/04/27	100	50 - 130	97	50 - 130	<0.1	ug/L	NC	30		
5499169	Dimethyl phthalate	2018/04/27	102	50 - 130	98	50 - 130	<0.1	ug/L	NC	30		
5499169	Fluoranthene	2018/04/27	102	50 - 130	99	50 - 130	<0.2	ug/L	NC	30		
5499169	Fluorene	2018/04/27	96	50 - 130	93	50 - 130	<0.2	ug/L	NC	30		
5499169	Indeno(1,2,3-cd)pyrene	2018/04/27	72	50 - 130	77	50 - 130	<0.1	ug/L	NC	30		
5499169	Naphthalene	2018/04/27	84	50 - 130	87	50 - 130	<0.2	ug/L	NC	30		
5499169	p-Chloroaniline	2018/04/27	68	30 - 130	66	30 - 130	<1	ug/L	NC	30		
5499169	Pentachlorophenol	2018/04/27	84	50 - 130	75	50 - 130	<0.1	ug/L	NC	30		
5499169	Phenanthrene	2018/04/27	89	50 - 130	90	50 - 130	<0.1	ug/L	NC	30		
5499169	Phenol	2018/04/27	39	30 - 130	37	30 - 130	<0.5	ug/L	NC	30		
5499169	Pyrene	2018/04/27	110	50 - 130	97	50 - 130	<0.05	ug/L	NC	30		
5500137	F2 (C10-C16 Hydrocarbons)	2018/04/26	NC	50 - 130	95	60 - 130	<100	ug/L				
5500137	F3 (C16-C34 Hydrocarbons)	2018/04/26	NC	50 - 130	104	60 - 130	<200	ug/L				
5500137	F4 (C34-C50 Hydrocarbons)	2018/04/26	94	50 - 130	96	60 - 130	<200	ug/L				
5500439	Total Ammonia-N	2018/04/27	97	75 - 125	104	80 - 120	<0.050	mg/L	15	20		
5500593	Mercury (Hg)	2018/04/25	106	75 - 125	105	80 - 120	<0.1	ug/L	NC	20		
5501563	Total Dissolved Solids	2018/04/25					<10	mg/L	6.8	25	100	90 - 110
5501880	Total Suspended Solids	2018/04/27					<10	mg/L	NC	25	98	85 - 115
5502201	Acidity	2018/04/26	100	80 - 120	102	80 - 120	<5.0	mg/L	NC	25		
5502252	Total Suspended Solids	2018/04/26					<10	mg/L	NC	25	95	85 - 115
5507854	1,2,4-Trichlorobenzene	2018/05/01	53	40 - 130	52	40 - 130	<0.1	ug/L				
5507854	1-Methylnaphthalene	2018/05/01	68	50 - 130	70	50 - 130	<0.2	ug/L	3.9	30		
5507854	2,4,5-Trichlorophenol	2018/05/01	110	50 - 130	83	50 - 130	<0.2	ug/L				
5507854	2,4,6-Trichlorophenol	2018/05/01	103	50 - 130	78	50 - 130	<0.2	ug/L				
5507854	2,4-Dichlorophenol	2018/05/01	73	50 - 130	60	50 - 130	<0.1	ug/L				
5507854	2,4-Dimethylphenol	2018/05/01	61	30 - 130	30	30 - 130	<0.5	ug/L				
5507854	2,4-Dinitrophenol	2018/05/01	28 (3)	30 - 130	117	30 - 130	<2	ug/L				
5507854	2,4-Dinitrotoluene	2018/05/01	100	50 - 130	87	50 - 130	<0.3	ug/L				
5507854	2,6-Dinitrotoluene	2018/05/01	109	50 - 130	86	50 - 130	<0.3	ug/L				
5507854	2-Chlorophenol	2018/05/01	59	50 - 130	64	50 - 130	<0.1	ug/L				

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Maxxam Job #: B890096
Report Date: 2018/05/02

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
5507854	2-Methylnaphthalene	2018/05/01	68	50 - 130	70	50 - 130	<0.2	ug/L	8.9	30		
5507854	3,3'-Dichlorobenzidine	2018/05/01	0.00 (4)	30 - 130	89	30 - 130	<0.5	ug/L				
5507854	Acenaphthene	2018/05/01	85	50 - 130	83	50 - 130	<0.2	ug/L	NC	30		
5507854	Acenaphthylene	2018/05/01	82	50 - 130	78	50 - 130	<0.2	ug/L	NC	30		
5507854	Anthracene	2018/05/01	88	50 - 130	79	50 - 130	<0.05	ug/L	NC	30		
5507854	Benzo(a)anthracene	2018/05/01	95	50 - 130	92	50 - 130	<0.05	ug/L	NC	30		
5507854	Benzo(a)pyrene	2018/05/01	95	50 - 130	94	50 - 130	<0.01	ug/L	NC	30		
5507854	Benzo(b/j)fluoranthene	2018/05/01	103	50 - 130	96	50 - 130	<0.05	ug/L	NC	30		
5507854	Benzo(g,h,i)perylene	2018/05/01	66	50 - 130	118	50 - 130	<0.05	ug/L	NC	30		
5507854	Benzo(k)fluoranthene	2018/05/01	113	50 - 130	95	50 - 130	<0.05	ug/L	NC	30		
5507854	Biphenyl	2018/05/01	86	50 - 130	78	50 - 130	<0.1	ug/L				
5507854	Bis(2-chloroethyl)ether	2018/05/01	53	50 - 130	65	50 - 130	<0.5	ug/L				
5507854	Bis(2-chloroisopropyl)ether	2018/05/01	60	50 - 130	72	50 - 130	<0.5	ug/L				
5507854	Bis(2-ethylhexyl)phthalate	2018/05/01	97	50 - 130	94	50 - 130	<1	ug/L				
5507854	Chrysene	2018/05/01	98	50 - 130	93	50 - 130	<0.05	ug/L	NC	30		
5507854	Dibenz(a,h)anthracene	2018/05/01	75	50 - 130	110	50 - 130	<0.1	ug/L	NC	30		
5507854	Diethyl phthalate	2018/05/01	104	50 - 130	95	50 - 130	<0.1	ug/L				
5507854	Dimethyl phthalate	2018/05/01	100	50 - 130	90	50 - 130	<0.1	ug/L				
5507854	Fluoranthene	2018/05/01	109	50 - 130	91	50 - 130	<0.2	ug/L	NC	30		
5507854	Fluorene	2018/05/01	96	50 - 130	84	50 - 130	<0.2	ug/L	NC	30		
5507854	Indeno(1,2,3-cd)pyrene	2018/05/01	73	50 - 130	104	50 - 130	<0.1	ug/L	NC	30		
5507854	Naphthalene	2018/05/01	49 (4)	50 - 130	66	50 - 130	<0.2	ug/L	9.6	30		
5507854	p-Chloroaniline	2018/05/01	34	30 - 130	52	30 - 130	<1	ug/L				
5507854	Pentachlorophenol	2018/05/01	127	50 - 130	62	50 - 130	<0.1	ug/L				
5507854	Phenanthrene	2018/05/01	92	50 - 130	85	50 - 130	<0.1	ug/L	NC	30		
5507854	Phenol	2018/05/01	44	30 - 130	28 (2)	30 - 130	<0.5	ug/L				

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Maxxam Job #: B890096
Report Date: 2018/05/02

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
5507854	Pyrene	2018/05/01	91	50 - 130	87	50 - 130	<0.05	ug/L	NC	30		

N/A = Not Applicable

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

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

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

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

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

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

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

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The recovery was above the upper control limit. This may represent a high bias in some results for this specific analyte. For results that were not detected (ND), this potential bias has no impact.

(2) The recovery was below the lower control limit. This may represent a low bias in some results for this specific analyte.

(3) The recovery was below the lower control limit. This may represent a low bias in some results for flagged analytes.

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

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Maxxam Job #: B890096
Report Date: 2018/05/02

Stantec Consulting Ltd
Client Project #: 160900764
Site Location: CLARINGTON TS - MONITORING WELL
Sampler Initials: RD

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Scientific Service Specialist

Mike MacGillivray

Mike MacGillivray, Scientific Specialist (Inorganics)

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

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ADDITIONAL COOLER TEMPERATURE RECORD

CHAIN-OF-CUSTODY RECORD

CHAIN OF CUSTODY #*	
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COOLER OBSERVATIONS:

MAXXAM JOB#: B890096

CUSTODY SEAL	YES	NO	COOLER ID 1			
PRESENT		✓	TEMP	2	2	3
INTACT		✓		1	2	3
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 2			
PRESENT		✓	TEMP	2	2	2
INTACT		✓		1	2	3
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 3			
PRESENT		✓	TEMP	2	1	2
INTACT		✓		1	2	3
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 4			
PRESENT		✓	TEMP	2	2	2
INTACT		✓		1	2	3
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 5			
PRESENT		✓	TEMP	2	3	3
INTACT		✓		1	2	3
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 6			
PRESENT		✓	TEMP	1	1	1
INTACT		✓		1	2	3
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						

CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP			
INTACT				1	2	3
ICE PRESENT						

RECEIVED BY (SIGN & PRINT)		DATE (YYYY/MM/DD)	TIME (HH:MM)
[illegible]	[illegible]	2018/04/20	10:54

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STA

20-Apr-18 10:54
Deepthi Shaji
B890096
URE ENV-593

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Only:

Bottle Order #: 657877

Project Manager: Deepthi Shaji

C#657877-02-01

INVOICE INFORMATION:		REPORT INFORMATION(if differs from invoice):		PROJECT INFORMATION:	
Company Name:	#9197 Stantec Consulting Ltd	Company Name:	#18379 Stantec Consulting Ltd	Quotation #:	B48218
Contact Name:	Accounts Payable	Contact Name:	Report - 160900764	Task #:	200.500
Address:	300 Hagey Blvd Suite 100	Address:		Project #:	160900764
	Waterloo ON N2L 0A4		ON	Profit Centre:	1609
Phone:	(519) 579-4410 x Fax: (519) 579-6733 x	Phone:	Fax:	Site #:	Clarington TS - Monitoring Wel
Email:	accounts.payable.invoices@stantec.com	Email:	aaron.warkentin@stantec.com, jamie.koch@stantec.co	Sampled By:	Ryan Dorg

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

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

Other Regulations: [ ] CCME [ ] Reg 558 [ ] MISA [ ] PWQO [ ] Other ___ [ ] Sanitary Sewer Bylaw [ ] Storm Sewer Bylaw Municipality ___

Special Instructions:

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered	Acidity	Cr (VI) & Free CN	Fluoride & Turbidity	Mercury & TOC	TDS & TSS	RCAp - Comprehensive- Field Filter	Reg 153 PCBs	Reg 153 VOCs & F1-F4	SVOCs	Lab Filtered SVOCs	# of Bottles	Comments
1		WG-160900764-201804 19-RD 09	Apr 19/18	10:04	GW	Y	X	X	X	X	X	X	X	Y	X		18	
2		WG-160900764-201804 19-RD 09A		10:04	GW											X	2	Analyze as per note.
3		WG-160900764-201804 19-RD 10		10:04	GW		X	X	X	X	X	X	X	X	X		18	
4		WG-160900764-201804 19-RD 10A		10:04	GW											X	2	
5		WG-160900764-201804 19-RD 11		10:25	GW		X	X	X	X	X	X	X	X	X		18	
6		WG-160900764-201804 19-RD 11A		1025	GW											X	2	
7		19-RD 12		13:59			X	X	X	X	X	X	X	X	X		18	
8		19-RD 12A		13:59												X	2	
9		19-RD 13		1312			X	X	X	X	X	X	X	X	X		18	
10		19-RD 13A		1312												X	2	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
	18/04/19	1800		2018/04/20	10:54	
Jamie Koch	18/04/20	1050				

Laboratory Use Only

Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
	See ACTR	Present		✓
		Intact		✓

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO MAXXAM'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.MAXXAM.CA/TERMS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT HTTP://MAXXAM.CA/WP-CONTENT/UPLOADS/ONTARIO-COC.PDF.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM

White: Maxxa Yellow: Client

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STANTEC CHAIN OF CUSTODY RECORD

Page 2 of 2

INVOICE INFORMATION:		REPORT INFORMATION(if differs from invoice):		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#9197 Stantec Consulting Ltd	Company Name:	#18379 Stantec Consulting Ltd	Quotation #:	B48218	Maxxam Job #:	Bottle Order #:
Contact Name:	Accounts Payable	Contact Name:	Report - 160900764	Task #:	200500		657879
Address:	300 Hagey Blvd Suite 100	Address:		Project #:	160900764		
	Waterloo ON N2L 0A4		ON	Profit Centre:	1609 Monitoring Well	COC #:	Project Manager:
Phone:	(519) 579-4410 x Fax: (519) 579-6733 x	Phone:	Fax:	Site #:	Clarington TS - ~~Private Well~~	C#657879-03-01	Deepthi Shaji
Email:	accounts.payable.invoices@stantec.com	Email:	aaron.warkentin@stantec.com, jamie.koch@stantec.co	Sampled By:	Ryan Berg		

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☒ Table 1 ☐ Res/Park ☐ Medium/Fine	☐ CCME ☐ Sanitary Sewer Bylaw	
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ Reg 558 ☐ Storm Sewer Bylaw	
☐ Table 3 ☐ Agri/Other ☐ For RSC	☐ MISA Municipality _____	
☐ Table ___	☐ PWQO	
	☐ Other _____	

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC):

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / CrVI	Acidity	Cr (VI) & Free CN	Fluoride & Turbidity	Mercury & TOC	~~Lab Filtered Metals~~ Lab Filtered SVOCs	TDS & TSS	RCAp - Comprehensive (Drinking Water) ~~Lab Filtered Metals~~	Reg 153 PCBs	Reg 153 VOCs & F1-F4	SVOCs	# of Bottles	Comments
1		WG-160900764-201804 19-RD 14	Apr 19/18	1312	GW	Y	X	X	X	X		X	X	X	X	X	18	
2		WG-160900764-201804 19-RD 14A		1312	GW						X						2	Analyze as per quote
3		WG-160900764-201804 19-RD 15		14:47	GW	Y	X	X	X	X		X	X	X	X	X	18	
4		WG-160900764-201804 19-RD 15A		14:47	GW						X						2	
5		FIELD BLANK	Apr 19/18	10:15	—										X*	X	5	
6		EQUIPMENT BLANK	Apr 19/18	1345	—										X*	X	5	
7		TRIP BLANK	—	—	—										X*	X	3	
8																		
9																		X* - VOC only for blanks
10																		

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
Jamie Koch	18/04/20	1050	[illegible]	2018/04/20	10:54		Time Sensitive	Temperature (°C) on Receipt: See ACTR	Custody Seal	Yes	No
									Present		✓
									Intact		✓

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO MAXXAM'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.MAXXAM.CA/TERMS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT HTTP://MAXXAM.CA/WP-CONTENT/UPLOADS/ONTARIO-COC.PDF.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM

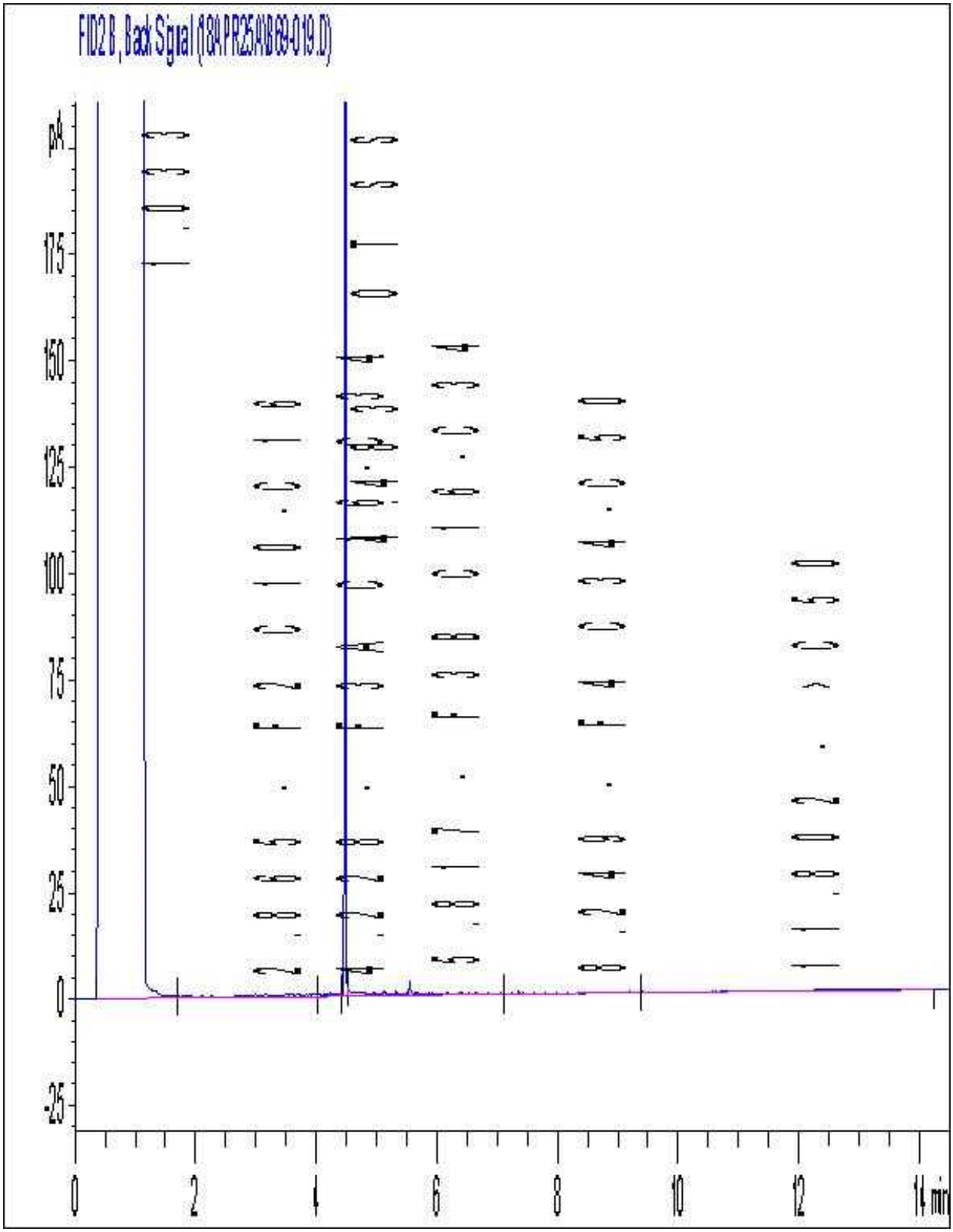
White: Maxxa Yellow: Client

Maxxam Analytics International Corporation o/a Maxxam Analytics

Maxxam Job #: B890096
Report Date: 2018/05/02
Maxxam Sample: GMS638

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - MONITORING WELL
Client ID: WG-160900764-20180419-RD09

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

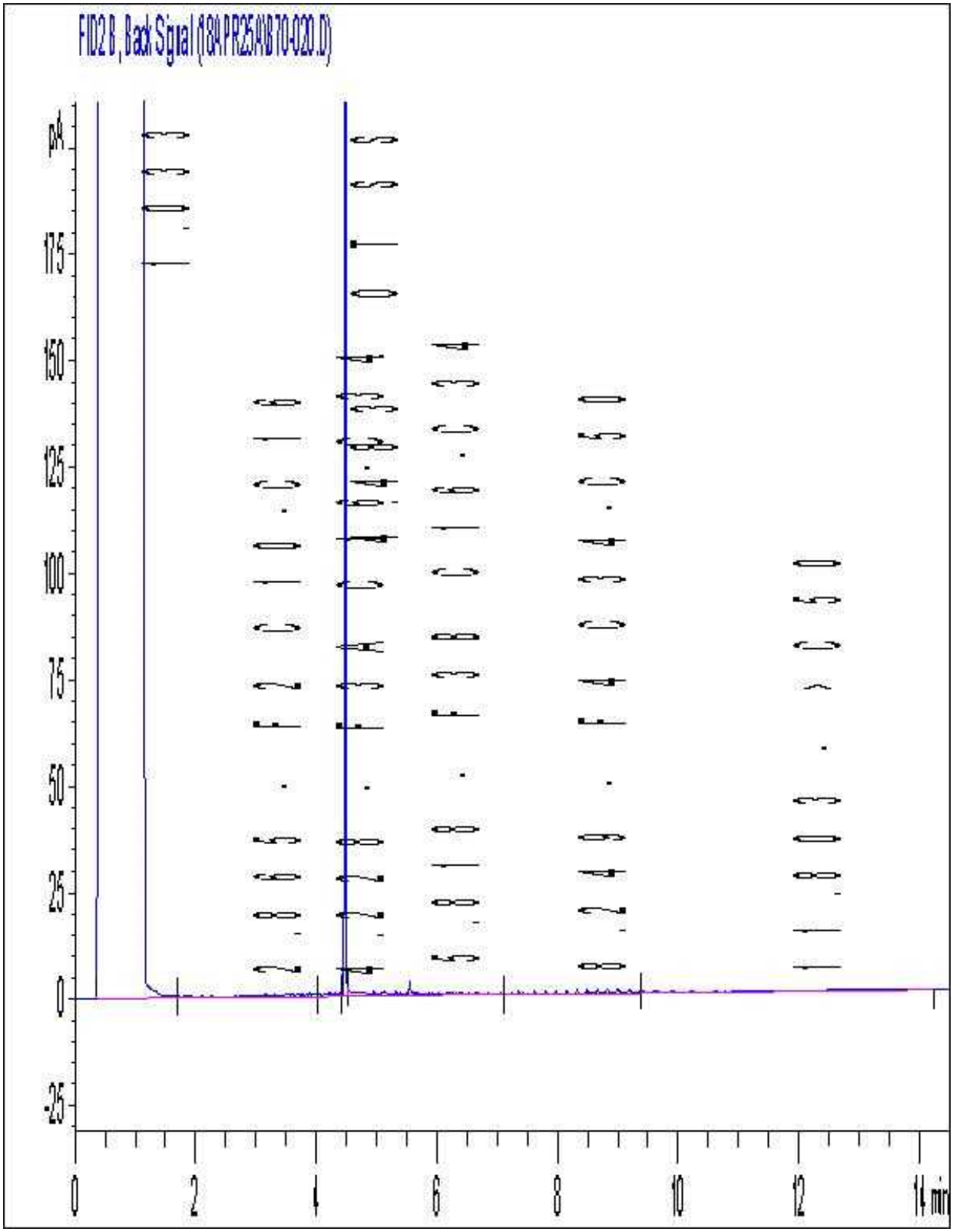


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B890096
Report Date: 2018/05/02
Maxxam Sample: GMS640

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - MONITORING WELL
Client ID: WG-160900764-20180419-RD10

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

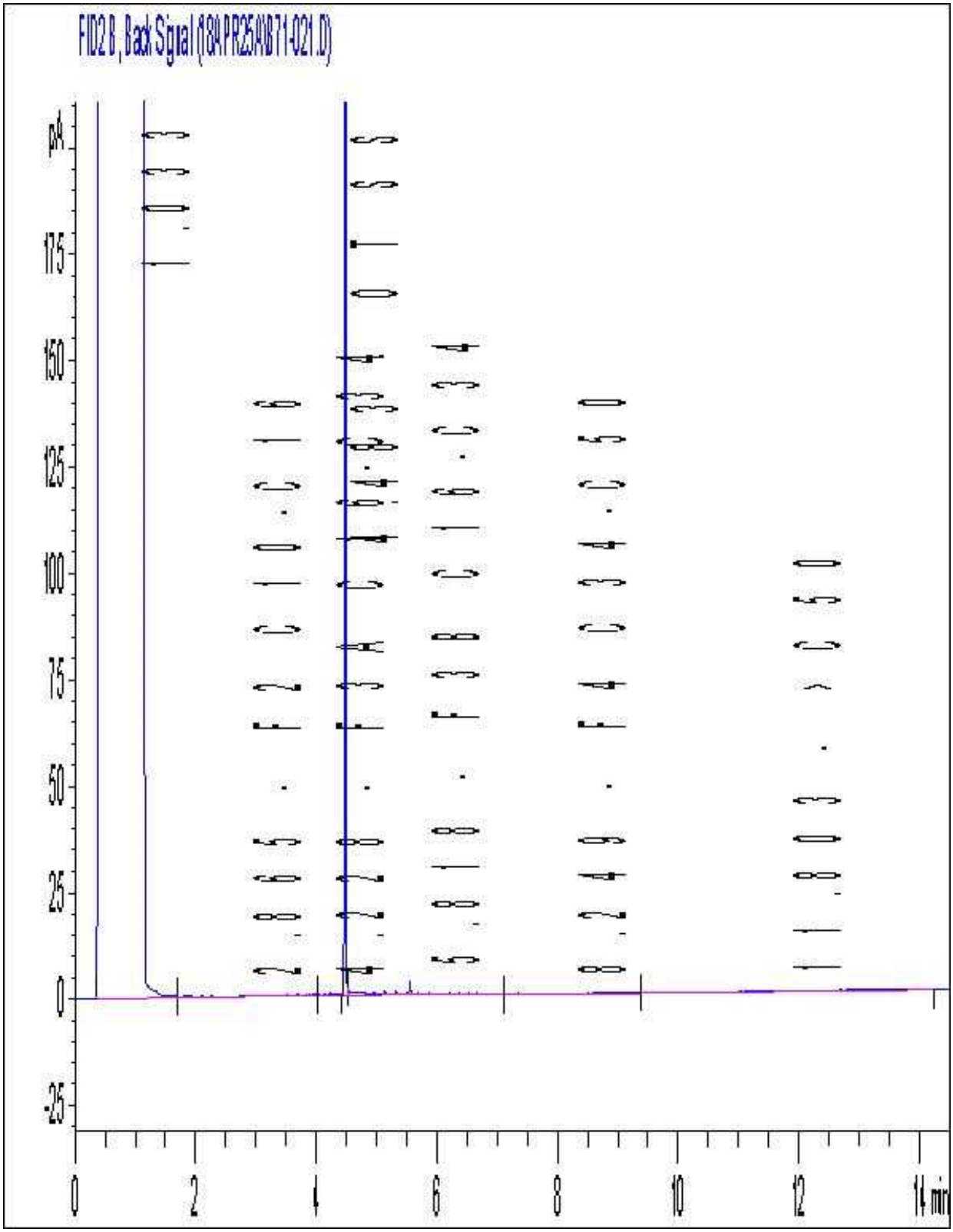


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B890096
Report Date: 2018/05/02
Maxxam Sample: GMS642

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - MONITORING WELL
Client ID: WG-160900764-20180419-RD11

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

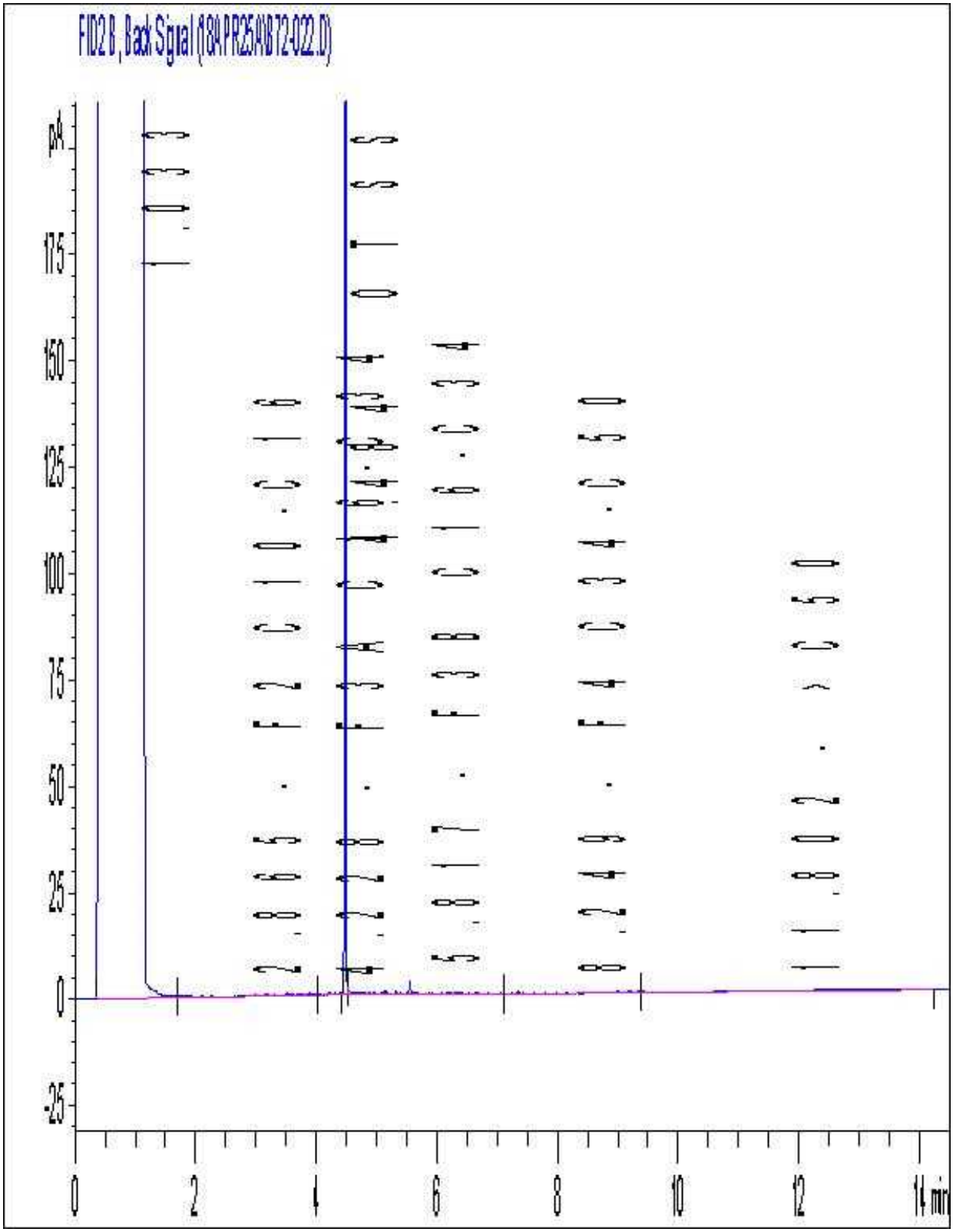


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B890096
Report Date: 2018/05/02
Maxxam Sample: GMS644

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - MONITORING WELL
Client ID: WG-160900764-20180419-RD12

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

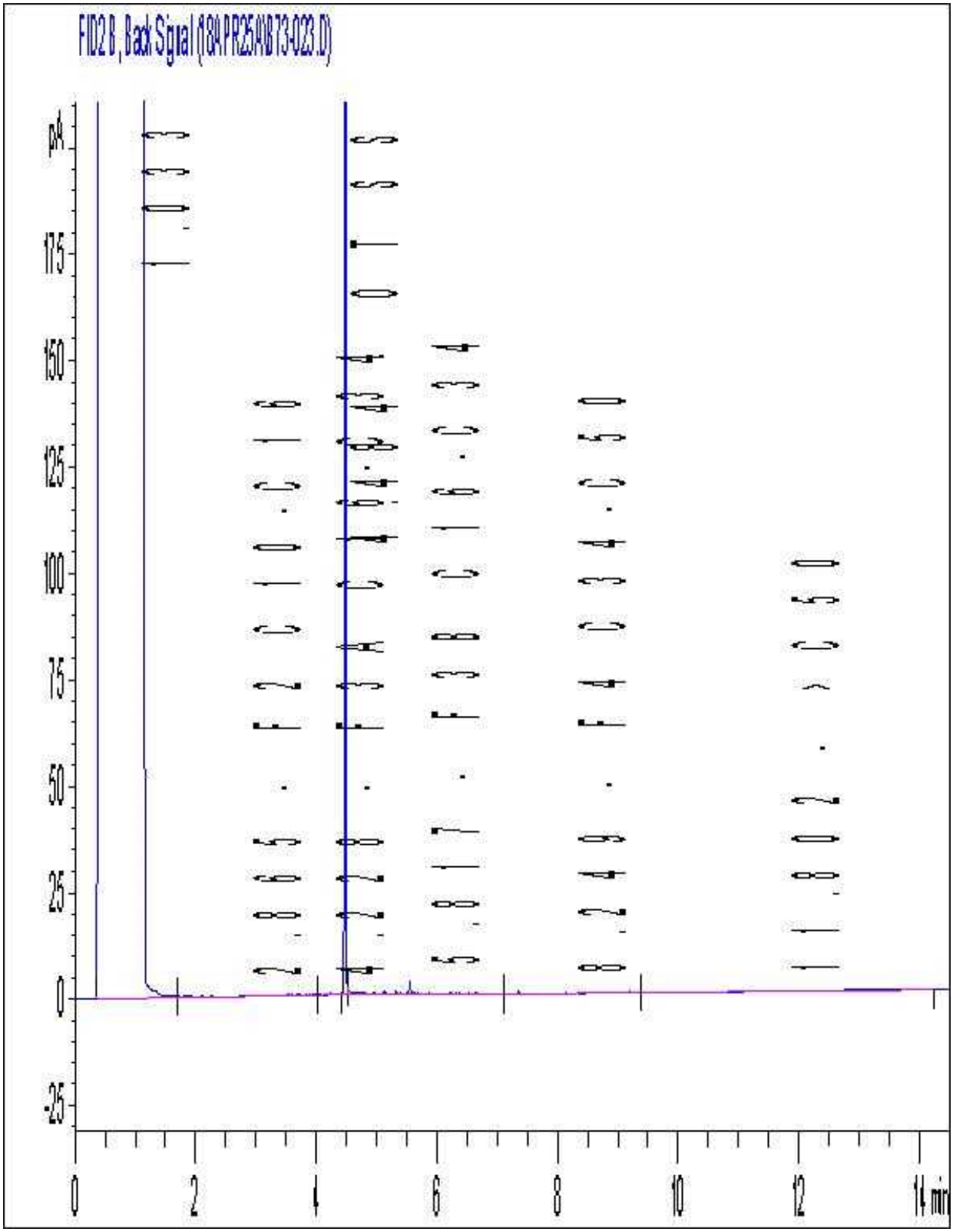


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B890096
Report Date: 2018/05/02
Maxxam Sample: GMS646

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - MONITORING WELL
Client ID: WG-160900764-20180419-RD13

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

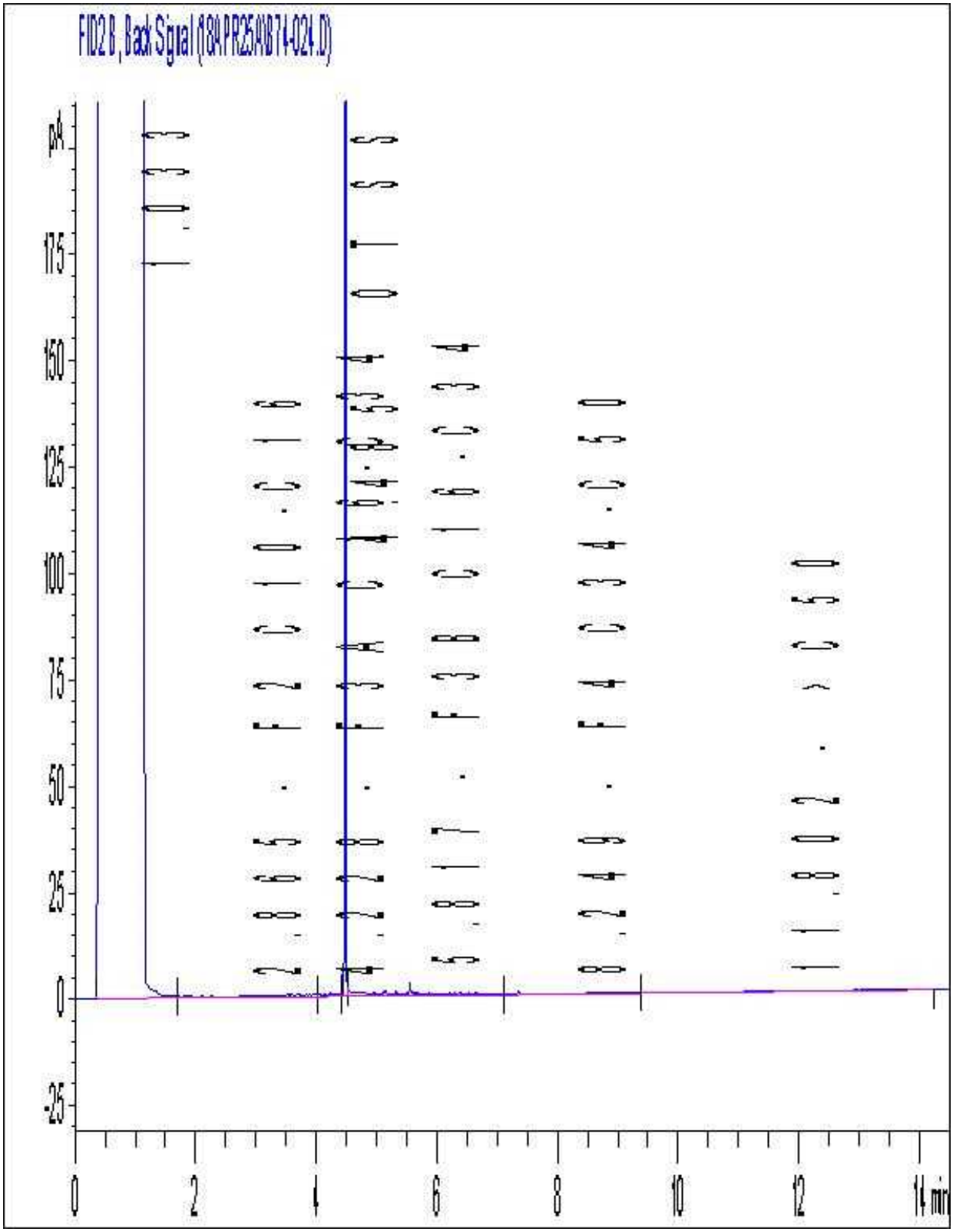


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B890096
Report Date: 2018/05/02
Maxxam Sample: GMS689

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - MONITORING WELL
Client ID: WG-160900764-20180419-RD14

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

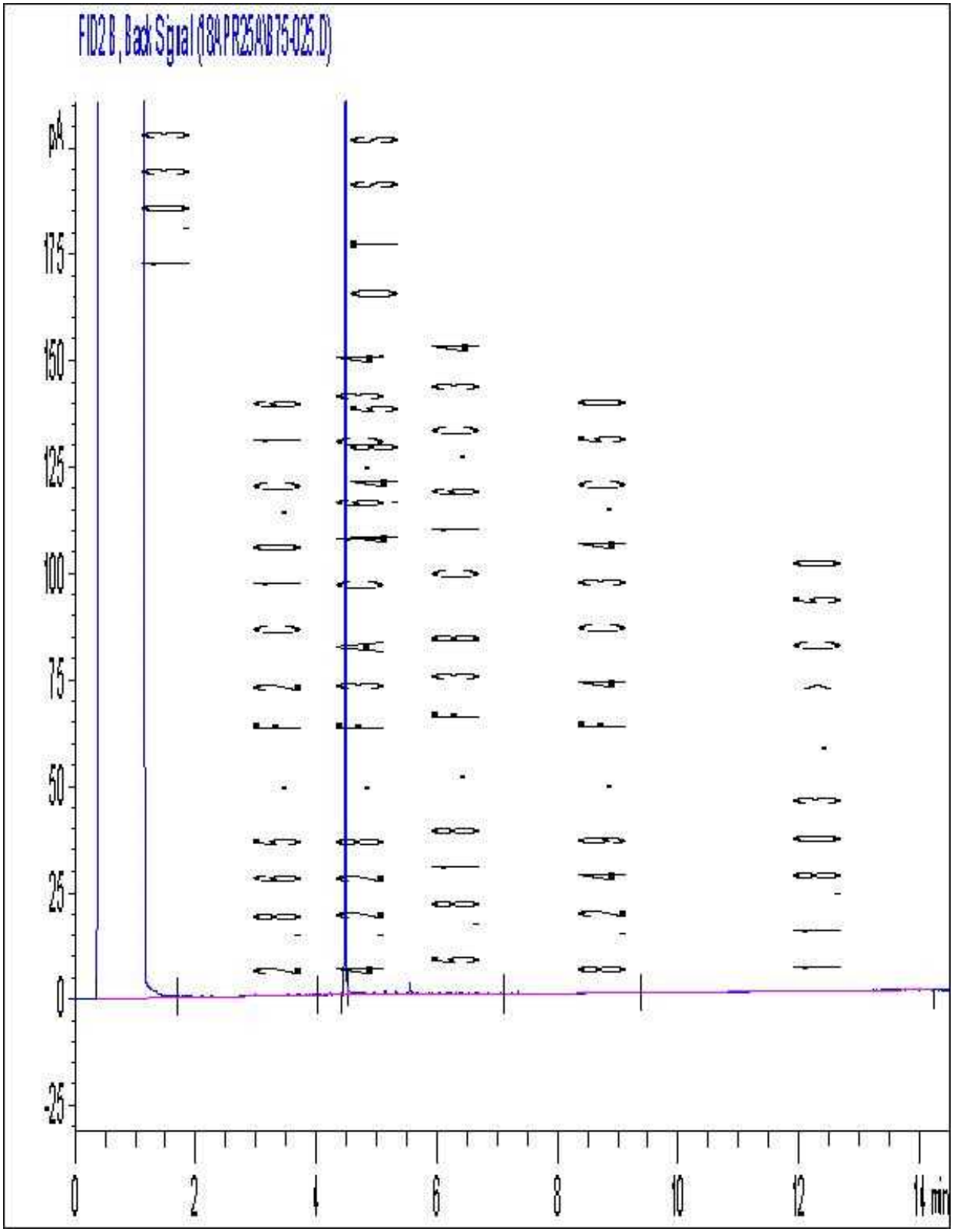


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B890096
Report Date: 2018/05/02
Maxxam Sample: GMS691

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - MONITORING WELL
Client ID: WG-160900764-20180419-RD15

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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