Maxxam
A Bureau Veritas Group Company

Your Project #: 160900764
Site Location: CLARINGTON TS - PRIVATE WELL
Your C.O.C. #: 686536-02-01

Attention: Report - 160900764

Stantec Consulting Ltd
Clarington
ON
Canada

Report Date: 2018/10/18
Report #: R5445972
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B8Q8634
Received: 2018/10/11, 15:16

Sample Matrix: Water
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Methylnaphthalene Sum	6	N/A	2018/10/17	CAM SOP-00301	EPA 8270D m
ABN Compounds in Water by SIM GC/MS	6	2018/10/15	2018/10/16	CAM SOP-00301	EPA 8270 m
Acidity (CaCO3) in water (1)	6	N/A	2018/10/17		SM 22 2310
Alkalinity	5	N/A	2018/10/13	CAM SOP-00448	SM 23 2320 B m
Alkalinity	1	N/A	2018/10/15	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide	5	N/A	2018/10/15	CAM SOP-00102	APHA 4500-CO2 D
Carbonate, Bicarbonate and Hydroxide	1	N/A	2018/10/16	CAM SOP-00102	APHA 4500-CO2 D
1,3-Dichloropropene Sum	6	N/A	2018/10/17		EPA 8260C m
Chloride by Automated Colourimetry	3	N/A	2018/10/12	CAM SOP-00463	EPA 325.2 m
Chloride by Automated Colourimetry	3	N/A	2018/10/16	CAM SOP-00463	EPA 325.2 m
Conductivity	5	N/A	2018/10/13	CAM SOP-00414	SM 23 2510 m
Conductivity	1	N/A	2018/10/15	CAM SOP-00414	SM 23 2510 m
Chromium (VI) in Water	6	N/A	2018/10/16	CAM SOP-00436	EPA 7199 m
Free (WAD) Cyanide	6	N/A	2018/10/15	CAM SOP-00457	OMOE E3015 m
Dissolved Organic Carbon (DOC) (2)	6	N/A	2018/10/14	CAM SOP-00446	SM 23 5310 B m
Petroleum Hydrocarbons F2-F4 in Water (3)	6	2018/10/15	2018/10/16	CAM SOP-00316	CCME PHC-CWS m
Fluoride	5	2018/10/12	2018/10/13	CAM SOP-00449	SM 23 4500-F C m
Fluoride	1	2018/10/13	2018/10/15	CAM SOP-00449	SM 23 4500-F C m
Hardness (calculated as CaCO3)	6	N/A	2018/10/16	CAM SOP 00102/00408/00447	SM 2340 B
Mercury	6	2018/10/16	2018/10/17	CAM SOP-00453	EPA 7470A m
Metals Analysis by ICPMS (as received) (4)	2	N/A	2018/10/15	CAM SOP-00447	EPA 6020B m
Metals Analysis by ICPMS (as received) (4)	4	N/A	2018/10/16	CAM SOP-00447	EPA 6020B m
Ion Balance (% Difference)	3	N/A	2018/10/16		
Ion Balance (% Difference)	3	N/A	2018/10/17		
Anion and Cation Sum	6	N/A	2018/10/16		
Total Coliforms/ E. coli, CFU/100mL	6	N/A	2018/10/11	CAM SOP-00551	MOE E3407
Total Ammonia-N	3	N/A	2018/10/16	CAM SOP-00441	EPA GS I-2522-90 m
Total Ammonia-N	3	N/A	2018/10/17	CAM SOP-00441	EPA GS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (5)	6	N/A	2018/10/15	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

Maxxam
A Bureau Veritas Group Company

Your Project #: 160900764
Site Location: CLARINGTON TS - PRIVATE WELL
Your C.O.C. #: 686536-02-01

Attention: Report - 160900764

Stantec Consulting Ltd
Clarington
ON
Canada

Report Date: 2018/10/18
Report #: R5445972
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B8Q8634
Received: 2018/10/11, 15:16

Sample Matrix: Water
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Polychlorinated Biphenyl in Water	1	2018/10/15	2018/10/15	CAM SOP-00309	EPA 8082A m
Polychlorinated Biphenyl in Water	5	2018/10/15	2018/10/16	CAM SOP-00309	EPA 8082A m
pH	5	N/A	2018/10/13	CAM SOP-00413	SM 4500H+ B m
pH	1	N/A	2018/10/15	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	6	N/A	2018/10/15	CAM SOP-00461	EPA 365.1 m
Sat. pH and Langelier Index (@ 20C)	3	N/A	2018/10/16		
Sat. pH and Langelier Index (@ 20C)	3	N/A	2018/10/17		
Sat. pH and Langelier Index (@ 4C)	3	N/A	2018/10/16		
Sat. pH and Langelier Index (@ 4C)	3	N/A	2018/10/17		
Sulphate by Automated Colourimetry	3	N/A	2018/10/12	CAM SOP-00464	EPA 375.4 m
Sulphate by Automated Colourimetry	3	N/A	2018/10/15	CAM SOP-00464	EPA 375.4 m
Total Dissolved Solids (TDS calc)	3	N/A	2018/10/16		
Total Dissolved Solids (TDS calc)	3	N/A	2018/10/17		
Total Dissolved Solids	6	2018/10/16	2018/10/17	CAM SOP-00428	SM 23 2540C m
Total Organic Carbon (TOC) (6)	6	N/A	2018/10/15	CAM SOP-00446	SM 23 5310B m
Total Suspended Solids	6	2018/10/15	2018/10/16	CAM SOP-00428	SM 23 2540D m
Turbidity	6	N/A	2018/10/12	CAM SOP-00417	SM 23 2130 B m
Volatile Organic Compounds and F1 PHCs	6	N/A	2018/10/17	CAM SOP-00230	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. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

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

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

Maxxam
A Bureau Veritas Group Company

Your Project #: 160900764
Site Location: CLARINGTON TS - PRIVATE WELL
Your C.O.C. #: 686536-02-01

Attention: Report - 160900764

Stantec Consulting Ltd
Clarington
ON
Canada

Report Date: 2018/10/18
Report #: R5445972
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B8Q8634
Received: 2018/10/11, 15:16

agreed in writing. Maxxam is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

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. When sampling is not conducted by Maxxam, results relate to the supplied 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) Metals analysis was performed on the sample 'as received'.
(5) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
(6) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.

Encryption Key

Colby Coutu
Project Manager Assistant
18 Oct 2018 12:41:33

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ronklin Gracian, Project Manager
Email: RGracian@maxxam.ca
Phone# (905) 817-5700

==========

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN559		HZN560		
Sampling Date		2018/10/11 09:17		2018/10/11 10:07		
COC Number		686536-02-01		686536-02-01		
	UNITS	**WG-160900764-20181011-JK19**	**QC Batch**	**WG-160900764-20181011-JK20**	**RDL**	**QC Batch**
Calculated Parameters						
Anion Sum	me/L	10.3	5778186	8.63	N/A	5778186
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	350	5778792	340	1.0	5778792
Calculated TDS	mg/L	540	5777517	460	1.0	5777517
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.9	5778792	2.0	1.0	5778792
Cation Sum	me/L	9.69	5778186	8.05	N/A	5778186
Hardness (CaCO3)	mg/L	410	5778622	370	1.0	5778622
Ion Balance (% Difference)	%	3.25	5778185	3.51	N/A	5778185
Langelier Index (@ 20C)	N/A	0.979	5777792	0.930		5777792
Langelier Index (@ 4C)	N/A	0.731	5777793	0.681		5777793
Saturation pH (@ 20C)	N/A	6.79	5777792	6.86		5777792
Saturation pH (@ 4C)	N/A	7.04	5777793	7.11		5777793
Inorganics						
Total Ammonia-N	mg/L	0.069	5783974	<0.050	0.050	5783207
Conductivity	umho/cm	930	5780772	760	1.0	5780772
Dissolved Organic Carbon	mg/L	0.98	5781237	1.2	0.50	5782251
Orthophosphate (P)	mg/L	<0.010	5779337	<0.010	0.010	5779337
pH	pH	7.77	5780775	7.79		5780775
Dissolved Sulphate (SO4)	mg/L	23	5779335	40	1.0	5779335
Alkalinity (Total as CaCO3)	mg/L	350	5780756	350	1.0	5780756
Dissolved Chloride (Cl-)	mg/L	93	5779330	13	1.0	5779330
Nitrite (N)	mg/L	<0.010	5779342	<0.010	0.010	5779342
Nitrate (N)	mg/L	3.31	5779342	7.34	0.10	5779342
Metals						
. Aluminum (Al)	mg/L	<0.0050	5782374	<0.0050	0.0050	5782374
. Antimony (Sb)	mg/L	<0.00050	5782374	<0.00050	0.00050	5782374
. Arsenic (As)	mg/L	<0.0010	5782374	<0.0010	0.0010	5782374
. Barium (Ba)	mg/L	0.070	5782374	0.12	0.0020	5782374
. Beryllium (Be)	mg/L	<0.00050	5782374	<0.00050	0.00050	5782374
. Boron (B)	mg/L	0.016	5782374	0.012	0.010	5782374
. Cadmium (Cd)	mg/L	<0.00010	5782374	<0.00010	0.00010	5782374

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN559		HZN560		
Sampling Date		2018/10/11 09:17		2018/10/11 10:07		
COC Number		686536-02-01		686536-02-01		
	UNITS	**WG-160900764-20181011-JK19**	**QC Batch**	**WG-160900764-20181011-JK20**	**RDL**	**QC Batch**
. Calcium (Ca)	mg/L	140	5782374	110	0.20	5782374
. Chromium (Cr)	mg/L	<0.0050	5782374	<0.0050	0.0050	5782374
. Cobalt (Co)	mg/L	<0.00050	5782374	<0.00050	0.00050	5782374
. Copper (Cu)	mg/L	0.0077	5782374	0.0095	0.0010	5782374
. Iron (Fe)	mg/L	<0.10	5782374	<0.10	0.10	5782374
. Lead (Pb)	mg/L	<0.00050	5782374	0.00061	0.00050	5782374
. Magnesium (Mg)	mg/L	18	5782374	24	0.050	5782374
. Manganese (Mn)	mg/L	<0.0020	5782374	<0.0020	0.0020	5782374
. Molybdenum (Mo)	mg/L	<0.00050	5782374	<0.00050	0.00050	5782374
. Nickel (Ni)	mg/L	<0.0010	5782374	<0.0010	0.0010	5782374
. Phosphorus (P)	mg/L	<0.10	5782374	<0.10	0.10	5782374
. Potassium (K)	mg/L	0.88	5782374	9.3	0.20	5782374
. Selenium (Se)	mg/L	<0.0020	5782374	<0.0020	0.0020	5782374
. Silicon (Si)	mg/L	7.0	5782374	7.8	0.050	5782374
. Silver (Ag)	mg/L	<0.00010	5782374	<0.00010	0.00010	5782374
. Sodium (Na)	mg/L	33	5782374	9.7	0.10	5782374
. Strontium (Sr)	mg/L	0.29	5782374	0.29	0.0010	5782374
. Thallium (Tl)	mg/L	<0.000050	5782374	<0.000050	0.000050	5782374
. Titanium (Ti)	mg/L	<0.0050	5782374	<0.0050	0.0050	5782374
. Uranium (U)	mg/L	0.00050	5782374	0.0014	0.00010	5782374
. Vanadium (V)	mg/L	<0.00050	5782374	<0.00050	0.00050	5782374
. Zinc (Zn)	mg/L	0.012	5782374	0.067	0.0050	5782374
. Zirconium (Zr)	mg/L	<0.0010	5782374	<0.0010	0.0010	5782374

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN560			HZN561		
Sampling Date		2018/10/11 10:07			2018/10/11 10:30		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK20 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK21**	**RDL**	**QC Batch**
Calculated Parameters							
Anion Sum	me/L				8.60	N/A	5778186
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				330	1.0	5778792
Calculated TDS	mg/L				450	1.0	5777517
Carb. Alkalinity (calc. as CaCO3)	mg/L				2.6	1.0	5778792
Cation Sum	me/L				7.98	N/A	5778186
Hardness (CaCO3)	mg/L				340	1.0	5778622
Ion Balance (% Difference)	%				3.73	N/A	5778185
Langelier Index (@ 20C)	N/A				1.06		5777792
Langelier Index (@ 4C)	N/A				0.811		5777793
Saturation pH (@ 20C)	N/A				6.86		5777792
Saturation pH (@ 4C)	N/A				7.11		5777793
Inorganics							
Total Ammonia-N	mg/L				0.086	0.050	5783951
Conductivity	umho/cm	750	1.0	5780772	780	1.0	5780772
Dissolved Organic Carbon	mg/L				1.3	0.50	5782251
Orthophosphate (P)	mg/L				<0.010	0.010	5780917
pH	pH	7.99		5780775	7.92		5780775
Dissolved Sulphate (SO4)	mg/L				24	1.0	5780913
Alkalinity (Total as CaCO3)	mg/L	340	1.0	5780756	330	1.0	5780756
Dissolved Chloride (Cl-)	mg/L				44	1.0	5780912
Nitrite (N)	mg/L				<0.010	0.010	5779342
Nitrate (N)	mg/L				3.58	0.10	5779342
Metals							
. Aluminum (Al)	mg/L				0.020	0.0050	5782374
. Antimony (Sb)	mg/L				<0.00050	0.00050	5782374
. Arsenic (As)	mg/L				<0.0010	0.0010	5782374
. Barium (Ba)	mg/L				0.053	0.0020	5782374
. Beryllium (Be)	mg/L				<0.00050	0.00050	5782374
. Boron (B)	mg/L				0.018	0.010	5782374

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN560			HZN561		
Sampling Date		2018/10/11 10:07			2018/10/11 10:30		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK20 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK21**	**RDL**	**QC Batch**
. Cadmium (Cd)	mg/L				<0.00010	0.00010	5782374
. Calcium (Ca)	mg/L				120	0.20	5782374
. Chromium (Cr)	mg/L				<0.0050	0.0050	5782374
. Cobalt (Co)	mg/L				<0.00050	0.00050	5782374
. Copper (Cu)	mg/L				<0.0010	0.0010	5782374
. Iron (Fe)	mg/L				<0.10	0.10	5782374
. Lead (Pb)	mg/L				<0.00050	0.00050	5782374
. Magnesium (Mg)	mg/L				12	0.050	5782374
. Manganese (Mn)	mg/L				0.0020	0.0020	5782374
. Molybdenum (Mo)	mg/L				<0.00050	0.00050	5782374
. Nickel (Ni)	mg/L				<0.0010	0.0010	5782374
. Phosphorus (P)	mg/L				<0.10	0.10	5782374
. Potassium (K)	mg/L				1.6	0.20	5782374
. Selenium (Se)	mg/L				<0.0020	0.0020	5782374
. Silicon (Si)	mg/L				5.7	0.050	5782374
. Silver (Ag)	mg/L				<0.00010	0.00010	5782374
. Sodium (Na)	mg/L				27	0.10	5782374
. Strontium (Sr)	mg/L				0.25	0.0010	5782374
. Thallium (Tl)	mg/L				<0.000050	0.000050	5782374
. Titanium (Ti)	mg/L				<0.0050	0.0050	5782374
. Uranium (U)	mg/L				0.0011	0.00010	5782374
. Vanadium (V)	mg/L				<0.00050	0.00050	5782374
. Zinc (Zn)	mg/L				<0.0050	0.0050	5782374
. Zirconium (Zr)	mg/L				<0.0010	0.0010	5782374

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN561			HZN562		
Sampling Date		2018/10/11 10:30			2018/10/11 11:18		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK21 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK22**	**RDL**	**QC Batch**
Calculated Parameters							
Anion Sum	me/L				9.75	N/A	5778186
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				320	1.0	5778792
Calculated TDS	mg/L				510	1.0	5777517
Carb. Alkalinity (calc. as CaCO3)	mg/L				1.2	1.0	5778792
Cation Sum	me/L				9.21	N/A	5778186
Hardness (CaCO3)	mg/L				400	1.0	5778622
Ion Balance (% Difference)	%				2.84	N/A	5778185
Langelier Index (@ 20C)	N/A				0.735		5777792
Langelier Index (@ 4C)	N/A				0.487		5777793
Saturation pH (@ 20C)	N/A				6.87		5777792
Saturation pH (@ 4C)	N/A				7.12		5777793
Inorganics							
Total Ammonia-N	mg/L				0.092	0.050	5783951
Conductivity	umho/cm				880	1.0	5782309
Dissolved Organic Carbon	mg/L				0.84	0.50	5781237
Orthophosphate (P)	mg/L				<0.010	0.010	5780917
pH	pH				7.61		5782310
Dissolved Sulphate (SO4)	mg/L				36	1.0	5780913
Alkalinity (Total as CaCO3)	mg/L				330	1.0	5782308
Dissolved Chloride (Cl-)	mg/L				86	1.0	5780912
Nitrite (N)	mg/L				<0.010	0.010	5780986
Nitrate (N)	mg/L				0.70	0.10	5780986
Metals							
. Aluminum (Al)	mg/L	0.020	0.0050	5782374	<0.0050	0.0050	5782374
. Antimony (Sb)	mg/L	<0.00050	0.00050	5782374	<0.00050	0.00050	5782374
. Arsenic (As)	mg/L	<0.0010	0.0010	5782374	<0.0010	0.0010	5782374
. Barium (Ba)	mg/L	0.053	0.0020	5782374	0.067	0.0020	5782374
. Beryllium (Be)	mg/L	<0.00050	0.00050	5782374	<0.00050	0.00050	5782374
. Boron (B)	mg/L	0.016	0.010	5782374	0.012	0.010	5782374

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN561			HZN562		
Sampling Date		2018/10/11 10:30			2018/10/11 11:18		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK21 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK22**	**RDL**	**QC Batch**
. Cadmium (Cd)	mg/L	<0.00010	0.00010	5782374	<0.00010	0.00010	5782374
. Calcium (Ca)	mg/L	120	0.20	5782374	120	0.20	5782374
. Chromium (Cr)	mg/L	<0.0050	0.0050	5782374	<0.0050	0.0050	5782374
. Cobalt (Co)	mg/L	<0.00050	0.00050	5782374	<0.00050	0.00050	5782374
. Copper (Cu)	mg/L	<0.0010	0.0010	5782374	0.0061	0.0010	5782374
. Iron (Fe)	mg/L	<0.10	0.10	5782374	0.32	0.10	5782374
. Lead (Pb)	mg/L	<0.00050	0.00050	5782374	0.00068	0.00050	5782374
. Magnesium (Mg)	mg/L	11	0.050	5782374	26	0.050	5782374
. Manganese (Mn)	mg/L	<0.0020	0.0020	5782374	0.0051	0.0020	5782374
. Molybdenum (Mo)	mg/L	<0.00050	0.00050	5782374	<0.00050	0.00050	5782374
. Nickel (Ni)	mg/L	<0.0010	0.0010	5782374	<0.0010	0.0010	5782374
. Phosphorus (P)	mg/L	<0.10	0.10	5782374	<0.10	0.10	5782374
. Potassium (K)	mg/L	1.5	0.20	5782374	1.9	0.20	5782374
. Selenium (Se)	mg/L	<0.0020	0.0020	5782374	<0.0020	0.0020	5782374
. Silicon (Si)	mg/L	5.6	0.050	5782374	6.3	0.050	5782374
. Silver (Ag)	mg/L	<0.00010	0.00010	5782374	<0.00010	0.00010	5782374
. Sodium (Na)	mg/L	26	0.10	5782374	27	0.10	5782374
. Strontium (Sr)	mg/L	0.24	0.0010	5782374	0.28	0.0010	5782374
. Thallium (Tl)	mg/L	<0.000050	0.000050	5782374	<0.000050	0.000050	5782374
. Titanium (Ti)	mg/L	<0.0050	0.0050	5782374	<0.0050	0.0050	5782374
. Uranium (U)	mg/L	0.0011	0.00010	5782374	0.011	0.00010	5782374
. Vanadium (V)	mg/L	<0.00050	0.00050	5782374	<0.00050	0.00050	5782374
. Zinc (Zn)	mg/L	<0.0050	0.0050	5782374	0.0073	0.0050	5782374
. Zirconium (Zr)	mg/L	<0.0010	0.0010	5782374	<0.0010	0.0010	5782374

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN562			HZN563		
Sampling Date		2018/10/11 11:18			2018/10/11 12:16		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK22 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK23**	**RDL**	**QC Batch**
Calculated Parameters							
Anion Sum	me/L				6.25	N/A	5778186
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				230	1.0	5778792
Calculated TDS	mg/L				370	1.0	5777517
Carb. Alkalinity (calc. as CaCO3)	mg/L				2.8	1.0	5778792
Cation Sum	me/L				5.84	N/A	5778186
Hardness (CaCO3)	mg/L				<1.0	1.0	5778622
Ion Balance (% Difference)	%				3.39	N/A	5778185
Langelier Index (@ 20C)	N/A				NC		5777792
Langelier Index (@ 4C)	N/A				NC		5777793
Saturation pH (@ 20C)	N/A				NC		5777792
Saturation pH (@ 4C)	N/A				NC		5777793
Inorganics							
Total Ammonia-N	mg/L	0.084	0.050	5783951	<0.050	0.050	5783207
Conductivity	umho/cm	880	1.0	5782309	580	1.0	5780772
Dissolved Organic Carbon	mg/L				0.70	0.50	5782251
Orthophosphate (P)	mg/L				<0.010	0.010	5780917
pH	pH	7.61		5782310	8.13		5780775
Dissolved Sulphate (SO4)	mg/L				33	1.0	5780913
Alkalinity (Total as CaCO3)	mg/L	330	1.0	5782308	230	1.0	5780756
Dissolved Chloride (Cl-)	mg/L				15	1.0	5780912
Nitrite (N)	mg/L	<0.010	0.010	5780986	<0.010	0.010	5779342
Nitrate (N)	mg/L	0.70	0.10	5780986	7.83	0.10	5779342
Metals							
. Aluminum (Al)	mg/L				<0.0050	0.0050	5782374
. Antimony (Sb)	mg/L				<0.00050	0.00050	5782374
. Arsenic (As)	mg/L				<0.0010	0.0010	5782374
. Barium (Ba)	mg/L				<0.0020	0.0020	5782374
. Beryllium (Be)	mg/L				<0.00050	0.00050	5782374
. Boron (B)	mg/L				<0.010	0.010	5782374

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN562			HZN563		
Sampling Date		2018/10/11 11:18			2018/10/11 12:16		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK22 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK23**	**RDL**	**QC Batch**
. Cadmium (Cd)	mg/L				<0.00010	0.00010	5782374
. Calcium (Ca)	mg/L				<0.20	0.20	5782374
. Chromium (Cr)	mg/L				<0.0050	0.0050	5782374
. Cobalt (Co)	mg/L				<0.00050	0.00050	5782374
. Copper (Cu)	mg/L				0.014	0.0010	5782374
. Iron (Fe)	mg/L				<0.10	0.10	5782374
. Lead (Pb)	mg/L				<0.00050	0.00050	5782374
. Magnesium (Mg)	mg/L				<0.050	0.050	5782374
. Manganese (Mn)	mg/L				<0.0020	0.0020	5782374
. Molybdenum (Mo)	mg/L				<0.00050	0.00050	5782374
. Nickel (Ni)	mg/L				<0.0010	0.0010	5782374
. Phosphorus (P)	mg/L				<0.10	0.10	5782374
. Potassium (K)	mg/L				1.0	0.20	5782374
. Selenium (Se)	mg/L				<0.0020	0.0020	5782374
. Silicon (Si)	mg/L				6.0	0.050	5782374
. Silver (Ag)	mg/L				<0.00010	0.00010	5782374
. Sodium (Na)	mg/L				130	0.10	5782374
. Strontium (Sr)	mg/L				<0.0010	0.0010	5782374
. Thallium (Tl)	mg/L				<0.000050	0.000050	5782374
. Titanium (Ti)	mg/L				<0.0050	0.0050	5782374
. Uranium (U)	mg/L				0.00082	0.00010	5782374
. Vanadium (V)	mg/L				<0.00050	0.00050	5782374
. Zinc (Zn)	mg/L				<0.0050	0.0050	5782374
. Zirconium (Zr)	mg/L				<0.0010	0.0010	5782374

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN563			HZN564		
Sampling Date		2018/10/11 12:16			2018/10/11 12:55		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK23 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK24**	**RDL**	**QC Batch**
Calculated Parameters							
Anion Sum	me/L				8.01	N/A	5778186
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				320	1.0	5778792
Calculated TDS	mg/L				420	1.0	5777517
Carb. Alkalinity (calc. as CaCO3)	mg/L				2.3	1.0	5778792
Cation Sum	me/L				7.45	N/A	5778186
Hardness (CaCO3)	mg/L				310	1.0	5778622
Ion Balance (% Difference)	%				3.63	N/A	5778185
Langelier Index (@ 20C)	N/A				0.985		5777792
Langelier Index (@ 4C)	N/A				0.737		5777793
Saturation pH (@ 20C)	N/A				6.90		5777792
Saturation pH (@ 4C)	N/A				7.15		5777793
Inorganics							
Total Ammonia-N	mg/L				0.072	0.050	5783207
Conductivity	umho/cm				710	1.0	5780772
Dissolved Organic Carbon	mg/L				1.2	0.50	5782251
Orthophosphate (P)	mg/L				<0.010	0.010	5779337
pH	pH				7.88		5780775
Dissolved Sulphate (SO4)	mg/L				15	1.0	5779335
Alkalinity (Total as CaCO3)	mg/L				320	1.0	5780756
Dissolved Chloride (Cl-)	mg/L				33	1.0	5779330
Nitrite (N)	mg/L	<0.010	0.010	5779342	<0.010	0.010	5779342
Nitrate (N)	mg/L	7.82	0.10	5779342	4.71	0.10	5779342
Metals							
. Aluminum (Al)	mg/L				<0.0050	0.0050	5782374
. Antimony (Sb)	mg/L				<0.00050	0.00050	5782374
. Arsenic (As)	mg/L				<0.0010	0.0010	5782374
. Barium (Ba)	mg/L				0.058	0.0020	5782374
. Beryllium (Be)	mg/L				<0.00050	0.00050	5782374
. Boron (B)	mg/L				0.017	0.010	5782374

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		HZN563			HZN564		
Sampling Date		2018/10/11 12:16			2018/10/11 12:55		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK23 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK24**	**RDL**	**QC Batch**
. Cadmium (Cd)	mg/L				<0.00010	0.00010	5782374
. Calcium (Ca)	mg/L				110	0.20	5782374
. Chromium (Cr)	mg/L				<0.0050	0.0050	5782374
. Cobalt (Co)	mg/L				<0.00050	0.00050	5782374
. Copper (Cu)	mg/L				0.0046	0.0010	5782374
. Iron (Fe)	mg/L				<0.10	0.10	5782374
. Lead (Pb)	mg/L				<0.00050	0.00050	5782374
. Magnesium (Mg)	mg/L				10	0.050	5782374
. Manganese (Mn)	mg/L				<0.0020	0.0020	5782374
. Molybdenum (Mo)	mg/L				<0.00050	0.00050	5782374
. Nickel (Ni)	mg/L				<0.0010	0.0010	5782374
. Phosphorus (P)	mg/L				<0.10	0.10	5782374
. Potassium (K)	mg/L				3.2	0.20	5782374
. Selenium (Se)	mg/L				<0.0020	0.0020	5782374
. Silicon (Si)	mg/L				5.7	0.050	5782374
. Silver (Ag)	mg/L				<0.00010	0.00010	5782374
. Sodium (Na)	mg/L				25	0.10	5782374
. Strontium (Sr)	mg/L				0.22	0.0010	5782374
. Thallium (Tl)	mg/L				<0.000050	0.000050	5782374
. Titanium (Ti)	mg/L				<0.0050	0.0050	5782374
. Uranium (U)	mg/L				0.00030	0.00010	5782374
. Vanadium (V)	mg/L				<0.00050	0.00050	5782374
. Zinc (Zn)	mg/L				0.0052	0.0050	5782374
. Zirconium (Zr)	mg/L				<0.0010	0.0010	5782374

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		HZN559	HZN560			HZN560		
Sampling Date		2018/10/11 09:17	2018/10/11 10:07			2018/10/11 10:07		
COC Number		686536-02-01	686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK19**	**WG-160900764-20181011-JK20**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK20 Lab-Dup**	**RDL**	**QC Batch**
Inorganics								
Acidity	mg/L	32	38	5.0	5787592			
Total Dissolved Solids	mg/L	490	370	10	5783646			
Fluoride (F-)	mg/L	<0.10	<0.10	0.10	5780748	<0.10	0.10	5780748
Total Organic Carbon (TOC)	mg/L	0.94	1.1	0.50	5783792			
Total Suspended Solids	mg/L	<10	<10	10	5783154			
Turbidity	NTU	<0.1	0.1	0.1	5778969			
WAD Cyanide (Free)	ug/L	<1	<1	1	5783559			

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

Maxxam ID		HZN561			HZN561		
Sampling Date		2018/10/11 10:30			2018/10/11 10:30		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK21**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK21 Lab-Dup**	**RDL**	**QC Batch**
Inorganics							
Acidity	mg/L	21	5.0	5787592			
Total Dissolved Solids	mg/L	390	10	5783646			
Fluoride (F-)	mg/L	<0.10	0.10	5780748			
Total Organic Carbon (TOC)	mg/L	1.4	0.50	5783792			
Total Suspended Solids	mg/L	<10	10	5783154	<10	10	5783154
Turbidity	NTU	0.1	0.1	5778969			
WAD Cyanide (Free)	ug/L	<1	1	5783559			

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		HZN562			HZN562		
Sampling Date		2018/10/11 11:18			2018/10/11 11:18		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK22**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK22 Lab-Dup**	**RDL**	**QC Batch**
Inorganics							
Acidity	mg/L	23	5.0	5787592			
Total Dissolved Solids	mg/L	440	10	5783646			
Fluoride (F-)	mg/L	<0.10	0.10	5782307	<0.10	0.10	5782307
Total Organic Carbon (TOC)	mg/L	0.80	0.50	5783792			
Total Suspended Solids	mg/L	<10	10	5783154			
Turbidity	NTU	1.2	0.1	5780698			
WAD Cyanide (Free)	ug/L	<1	1	5783559			

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

Maxxam ID		HZN563			HZN563		
Sampling Date		2018/10/11 12:16			2018/10/11 12:16		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK23**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK23 Lab-Dup**	**RDL**	**QC Batch**
Inorganics							
Acidity	mg/L	5.2	5.0	5787592			
Total Dissolved Solids	mg/L	295	10	5783646	300	10	5783646
Fluoride (F-)	mg/L	<0.10	0.10	5780748			
Total Organic Carbon (TOC)	mg/L	0.69	0.50	5783792			
Total Suspended Solids	mg/L	<10	10	5783154			
Turbidity	NTU	<0.1	0.1	5778969			
WAD Cyanide (Free)	ug/L	<1	1	5783559			

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		HZN564		
Sampling Date		2018/10/11 12:55		
COC Number		686536-02-01		
	UNITS	**WG-160900764-20181011-JK24**	**RDL**	**QC Batch**
Inorganics				
Acidity	mg/L	28	5.0	5787592
Total Dissolved Solids	mg/L	390	10	5783646
Fluoride (F-)	mg/L	<0.10	0.10	5780748
Total Organic Carbon (TOC)	mg/L	1.2	0.50	5783792
Total Suspended Solids	mg/L	<10	10	5783154
Turbidity	NTU	<0.1	0.1	5778969
WAD Cyanide (Free)	ug/L	<1	1	5783559

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		HZN559			HZN559		
Sampling Date		2018/10/11 09:17			2018/10/11 09:17		
COC Number		686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK19**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK19 Lab-Dup**	**RDL**	**QC Batch**
Metals							
Chromium (VI)	ug/L	0.87	0.50	5779274	0.90	0.50	5779274
Mercury (Hg)	ug/L	<0.1	0.1	5785671			

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

Maxxam ID		HZN560		HZN561	HZN562		
Sampling Date		2018/10/11 10:07		2018/10/11 10:30	2018/10/11 11:18		
COC Number		686536-02-01		686536-02-01	686536-02-01		
	UNITS	**WG-160900764-20181011-JK20**	**QC Batch**	**WG-160900764-20181011-JK21**	**WG-160900764-20181011-JK22**	**RDL**	**QC Batch**
Metals							
Chromium (VI)	ug/L	0.90	5779274	0.58	<0.50	0.50	5779274
Mercury (Hg)	ug/L	<0.1	5785696	<0.1	<0.1	0.1	5785671

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		HZN563	HZN564		
Sampling Date		2018/10/11 12:16	2018/10/11 12:55		
COC Number		686536-02-01	686536-02-01		
	UNITS	**WG-160900764-20181011-JK23**	**WG-160900764-20181011-JK24**	**RDL**	**QC Batch**
Metals					
Chromium (VI)	ug/L	<0.50	0.72	0.50	5779274
Mercury (Hg)	ug/L	<0.1	<0.1	0.1	5785671

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

MICROBIOLOGY (WATER)

Maxxam ID		HZN559	HZN560	HZN561	HZN562	
Sampling Date		2018/10/11 09:17	2018/10/11 10:07	2018/10/11 10:30	2018/10/11 11:18	
COC Number		686536-02-01	686536-02-01	686536-02-01	686536-02-01	
	UNITS	**WG-160900764-20181011-JK19**	**WG-160900764-20181011-JK20**	**WG-160900764-20181011-JK21**	**WG-160900764-20181011-JK22**	**QC Batch**
Microbiological						
Background	CFU/100mL	21	300	NDOGT (1)	0	5779551
Total Coliforms	CFU/100mL	0	82	NDOGT (1)	0	5779551
Escherichia coli	CFU/100mL	0	0	NDOGT (1)	0	5779551

QC Batch = Quality Control Batch
(1) NDOGT: No data due to overgrowth. Total coliforms and / or E.coli detected

Maxxam ID		HZN563	HZN564	
Sampling Date		2018/10/11 12:16	2018/10/11 12:55	
COC Number		686536-02-01	686536-02-01	
	UNITS	**WG-160900764-20181011-JK23**	**WG-160900764-20181011-JK24**	**QC Batch**
Microbiological				
Background	CFU/100mL	150	17	5779551
Total Coliforms	CFU/100mL	0	0	5779551
Escherichia coli	CFU/100mL	0	0	5779551

QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

O.REG 153 PCBS (WATER)

Maxxam ID		HZN559	HZN560	HZN560	HZN561		
Sampling Date		2018/10/11 09:17	2018/10/11 10:07	2018/10/11 10:07	2018/10/11 10:30		
COC Number		686536-02-01	686536-02-01	686536-02-01	686536-02-01		
	UNITS	WG-160900764-20181011-JK19	WG-160900764-20181011-JK20	WG-160900764-20181011-JK20 Lab-Dup	WG-160900764-20181011-JK21	RDL	QC Batch
PCBs							
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783776
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783776
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783776
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783776
Total PCB	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783776
Surrogate Recovery (%)							
Decachlorobiphenyl	%	91	100	96	98		5783776

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

Maxxam ID		HZN562	HZN563	HZN564		
Sampling Date		2018/10/11 11:18	2018/10/11 12:16	2018/10/11 12:55		
COC Number		686536-02-01	686536-02-01	686536-02-01		
	UNITS	WG-160900764-20181011-JK22	WG-160900764-20181011-JK23	WG-160900764-20181011-JK24	RDL	QC Batch
PCBs						
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	0.05	5783776
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	0.05	5783776
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	0.05	5783776
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	0.05	5783776
Total PCB	ug/L	<0.05	<0.05	<0.05	0.05	5783776
Surrogate Recovery (%)						
Decachlorobiphenyl	%	93	109	94		5783776

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

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

Maxxam ID		HZN559	HZN560			HZN560		
Sampling Date		2018/10/11 09:17	2018/10/11 10:07			2018/10/11 10:07		
COC Number		686536-02-01	686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK19**	**WG-160900764-20181011-JK20**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK20 Lab-Dup**	**RDL**	**QC Batch**
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	0.50	5778334			
Volatile Organics								
Acetone (2-Propanone)	ug/L	<10	<10	10	5782583			
Benzene	ug/L	<0.20	<0.20	0.20	5782583			
Bromodichloromethane	ug/L	1.1	<0.50	0.50	5782583			
Bromoform	ug/L	<1.0	<1.0	1.0	5782583			
Bromomethane	ug/L	<0.50	<0.50	0.50	5782583			
Carbon Tetrachloride	ug/L	<0.20	<0.20	0.20	5782583			
Chlorobenzene	ug/L	<0.20	<0.20	0.20	5782583			
Chloroform	ug/L	5.9	0.22	0.20	5782583			
Dibromochloromethane	ug/L	1.3	<0.50	0.50	5782583			
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	5782583			
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	5782583			
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	5782583			
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	1.0	5782583			
1,1-Dichloroethane	ug/L	<0.20	<0.20	0.20	5782583			
1,2-Dichloroethane	ug/L	<0.50	<0.50	0.50	5782583			
1,1-Dichloroethylene	ug/L	<0.20	<0.20	0.20	5782583			
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	0.50	5782583			
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	0.50	5782583			
1,2-Dichloropropane	ug/L	<0.20	<0.20	0.20	5782583			
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	0.30	5782583			
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	0.40	5782583			
Ethylbenzene	ug/L	<0.20	<0.20	0.20	5782583			
Ethylene Dibromide	ug/L	<0.20	<0.20	0.20	5782583			
Hexane	ug/L	<1.0	<1.0	1.0	5782583			
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	2.0	5782583			
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	10	5782583			
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	5.0	5782583			
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	0.50	5782583			

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

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

Maxxam ID		HZN559	HZN560			HZN560		
Sampling Date		2018/10/11 09:17	2018/10/11 10:07			2018/10/11 10:07		
COC Number		686536-02-01	686536-02-01			686536-02-01		
	UNITS	**WG-160900764-20181011-JK19**	**WG-160900764-20181011-JK20**	**RDL**	**QC Batch**	**WG-160900764-20181011-JK20 Lab-Dup**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	<0.50	0.50	5782583			
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	5782583			
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	5782583			
Tetrachloroethylene	ug/L	<0.20	<0.20	0.20	5782583			
Toluene	ug/L	<0.20	<0.20	0.20	5782583			
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	0.20	5782583			
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	0.50	5782583			
Trichloroethylene	ug/L	<0.20	<0.20	0.20	5782583			
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	0.50	5782583			
Vinyl Chloride	ug/L	<0.20	<0.20	0.20	5782583			
p+m-Xylene	ug/L	<0.20	<0.20	0.20	5782583			
o-Xylene	ug/L	<0.20	<0.20	0.20	5782583			
Total Xylenes	ug/L	<0.20	<0.20	0.20	5782583			
F1 (C6-C10)	ug/L	<25	<25	25	5782583			
F1 (C6-C10) - BTEX	ug/L	<25	<25	25	5782583			
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	100	5783712	<100	100	5783712
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	200	5783712	<200	200	5783712
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	200	5783712	<200	200	5783712
Reached Baseline at C50	ug/L	Yes	Yes		5783712	Yes		5783712
Surrogate Recovery (%)								
o-Terphenyl	%	89	87		5783712	88		5783712
4-Bromofluorobenzene	%	71	71		5782583			
D4-1,2-Dichloroethane	%	116	117		5782583			
D8-Toluene	%	97	97		5782583			

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

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

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

Maxxam ID		HZN561	HZN562	HZN563		
Sampling Date		2018/10/11 10:30	2018/10/11 11:18	2018/10/11 12:16		
COC Number		686536-02-01	686536-02-01	686536-02-01		
	UNITS	**WG-160900764-20181011-JK21**	**WG-160900764-20181011-JK22**	**WG-160900764-20181011-JK23**	**RDL**	**QC Batch**
Calculated Parameters						
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	<0.50	0.50	5778334
Volatile Organics						
Acetone (2-Propanone)	ug/L	<10	<10	<10	10	5782583
Benzene	ug/L	<0.20	<0.20	<0.20	0.20	5782583
Bromodichloromethane	ug/L	<0.50	<0.50	<0.50	0.50	5782583
Bromoform	ug/L	<1.0	<1.0	<1.0	1.0	5782583
Bromomethane	ug/L	<0.50	<0.50	<0.50	0.50	5782583
Carbon Tetrachloride	ug/L	<0.20	<0.20	<0.20	0.20	5782583
Chlorobenzene	ug/L	<0.20	<0.20	<0.20	0.20	5782583
Chloroform	ug/L	<0.20	<0.20	<0.20	0.20	5782583
Dibromochloromethane	ug/L	<0.50	<0.50	<0.50	0.50	5782583
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5782583
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5782583
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5782583
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	<1.0	1.0	5782583
1,1-Dichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5782583
1,2-Dichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5782583
1,1-Dichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5782583
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5782583
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5782583
1,2-Dichloropropane	ug/L	<0.20	<0.20	<0.20	0.20	5782583
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	<0.30	0.30	5782583
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	<0.40	0.40	5782583
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	0.20	5782583
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	0.20	5782583
Hexane	ug/L	<1.0	<1.0	<1.0	1.0	5782583
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	<2.0	2.0	5782583
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	<10	10	5782583
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	5.0	5782583
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	<0.50	0.50	5782583

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

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

Maxxam ID		HZN561	HZN562	HZN563		
Sampling Date		2018/10/11 10:30	2018/10/11 11:18	2018/10/11 12:16		
COC Number		686536-02-01	686536-02-01	686536-02-01		
	UNITS	**WG-160900764-20181011-JK21**	**WG-160900764-20181011-JK22**	**WG-160900764-20181011-JK23**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	<0.50	<0.50	0.50	5782583
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5782583
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5782583
Tetrachloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5782583
Toluene	ug/L	<0.20	<0.20	<0.20	0.20	5782583
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5782583
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5782583
Trichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5782583
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	<0.50	0.50	5782583
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	0.20	5782583
p+m-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5782583
o-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5782583
Total Xylenes	ug/L	<0.20	<0.20	<0.20	0.20	5782583
F1 (C6-C10)	ug/L	<25	<25	<25	25	5782583
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	25	5782583
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	<100	100	5783712
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	200	5783712
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	200	5783712
Reached Baseline at C50	ug/L	Yes	Yes	Yes		5783712
Surrogate Recovery (%)						
o-Terphenyl	%	87	88	87		5783712
4-Bromofluorobenzene	%	79	72	91		5782583
D4-1,2-Dichloroethane	%	119	120	120		5782583
D8-Toluene	%	94	98	93		5782583

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

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

Maxxam ID		HZN564		
Sampling Date		2018/10/11 12:55		
COC Number		686536-02-01		
	UNITS	**WG-160900764-20181011-JK24**	**RDL**	**QC Batch**
Calculated Parameters				
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	5778334
Volatile Organics				
Acetone (2-Propanone)	ug/L	<10	10	5782583
Benzene	ug/L	<0.20	0.20	5782583
Bromodichloromethane	ug/L	1.3	0.50	5782583
Bromoform	ug/L	<1.0	1.0	5782583
Bromomethane	ug/L	<0.50	0.50	5782583
Carbon Tetrachloride	ug/L	<0.20	0.20	5782583
Chlorobenzene	ug/L	<0.20	0.20	5782583
Chloroform	ug/L	4.9	0.20	5782583
Dibromochloromethane	ug/L	0.66	0.50	5782583
1,2-Dichlorobenzene	ug/L	<0.50	0.50	5782583
1,3-Dichlorobenzene	ug/L	<0.50	0.50	5782583
1,4-Dichlorobenzene	ug/L	<0.50	0.50	5782583
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	5782583
1,1-Dichloroethane	ug/L	<0.20	0.20	5782583
1,2-Dichloroethane	ug/L	<0.50	0.50	5782583
1,1-Dichloroethylene	ug/L	<0.20	0.20	5782583
cis-1,2-Dichloroethylene	ug/L	<0.50	0.50	5782583
trans-1,2-Dichloroethylene	ug/L	<0.50	0.50	5782583
1,2-Dichloropropane	ug/L	<0.20	0.20	5782583
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	5782583
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	5782583
Ethylbenzene	ug/L	<0.20	0.20	5782583
Ethylene Dibromide	ug/L	<0.20	0.20	5782583
Hexane	ug/L	<1.0	1.0	5782583
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	5782583
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	5782583
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	5782583
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	5782583

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

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

Maxxam ID		HZN564		
Sampling Date		2018/10/11 12:55		
COC Number		686536-02-01		
	UNITS	**WG-160900764-20181011-JK24**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	0.50	5782583
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	5782583
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	5782583
Tetrachloroethylene	ug/L	<0.20	0.20	5782583
Toluene	ug/L	<0.20	0.20	5782583
1,1,1-Trichloroethane	ug/L	<0.20	0.20	5782583
1,1,2-Trichloroethane	ug/L	<0.50	0.50	5782583
Trichloroethylene	ug/L	<0.20	0.20	5782583
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	5782583
Vinyl Chloride	ug/L	<0.20	0.20	5782583
p+m-Xylene	ug/L	<0.20	0.20	5782583
o-Xylene	ug/L	<0.20	0.20	5782583
Total Xylenes	ug/L	<0.20	0.20	5782583
F1 (C6-C10)	ug/L	<25	25	5782583
F1 (C6-C10) - BTEX	ug/L	<25	25	5782583
F2-F4 Hydrocarbons				
F2 (C10-C16 Hydrocarbons)	ug/L	<100	100	5783712
F3 (C16-C34 Hydrocarbons)	ug/L	<200	200	5783712
F4 (C34-C50 Hydrocarbons)	ug/L	<200	200	5783712
Reached Baseline at C50	ug/L	Yes		5783712
Surrogate Recovery (%)				
o-Terphenyl	%	87		5783712
4-Bromofluorobenzene	%	83		5782583
D4-1,2-Dichloroethane	%	120		5782583
D8-Toluene	%	93		5782583

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		HZN559	HZN560	HZN561	HZN562		
Sampling Date		2018/10/11 09:17	2018/10/11 10:07	2018/10/11 10:30	2018/10/11 11:18		
COC Number		686536-02-01	686536-02-01	686536-02-01	686536-02-01		
	UNITS	**WG-160900764-20181011-JK19**	**WG-160900764-20181011-JK20**	**WG-160900764-20181011-JK21**	**WG-160900764-20181011-JK22**	**RDL**	**QC Batch**
Semivolatile Organics							
1,2,4-Trichlorobenzene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
1-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5783171
2,4,5-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5783171
2,4,6-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5783171
2,4-Dichlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
2,4-Dimethylphenol	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5783171
2,4-Dinitrophenol	ug/L	<2	<2	<2	<2	2	5783171
2,4-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	<0.3	0.3	5783171
2,6-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	<0.3	0.3	5783171
2-Chlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
2-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5783171
3,3'-Dichlorobenzidine	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5783171
Acenaphthene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5783171
Acenaphthylene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5783171
Anthracene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783171
Benzo(a)anthracene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783171
Benzo(a)pyrene	ug/L	<0.01	<0.01	<0.01	<0.01	0.01	5783171
Benzo(b/j)fluoranthene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783171
Benzo(g,h,i)perylene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783171
Benzo(k)fluoranthene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783171
Biphenyl	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
Bis(2-chloroethyl)ether	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5783171
Bis(2-chloroisopropyl)ether	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5783171
Bis(2-ethylhexyl)phthalate	ug/L	<1	<1	<1	<1	1	5783171
Chrysene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783171
Dibenz(a,h)anthracene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
Diethyl phthalate	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
Dimethyl phthalate	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
Fluoranthene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5783171
Fluorene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5783171

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		HZN559	HZN560	HZN561	HZN562		
Sampling Date		2018/10/11 09:17	2018/10/11 10:07	2018/10/11 10:30	2018/10/11 11:18		
COC Number		686536-02-01	686536-02-01	686536-02-01	686536-02-01		
	UNITS	**WG-160900764-20181011-JK19**	**WG-160900764-20181011-JK20**	**WG-160900764-20181011-JK21**	**WG-160900764-20181011-JK22**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
Naphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5783171
p-Chloroaniline	ug/L	<1	<1	<1	<1	1	5783171
Pentachlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
Phenanthrene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5783171
Phenol	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5783171
Pyrene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5783171
Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/L	<0.28	<0.28	<0.28	<0.28	0.28	5778333
Surrogate Recovery (%)							
2,4,6-Tribromophenol	%	53	68	77	75		5783171
2-Fluorobiphenyl	%	34 (1)	48 (1)	69	65		5783171
D14-Terphenyl (FS)	%	93	95	100	99		5783171
D5-Nitrobenzene	%	36 (1)	50	72	66		5783171

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.

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		HZN563	HZN564		
Sampling Date		2018/10/11 12:16	2018/10/11 12:55		
COC Number		686536-02-01	686536-02-01		
	UNITS	**WG-160900764-20181011-JK23**	**WG-160900764-20181011-JK24**	**RDL**	**QC Batch**
Semivolatile Organics					
1,2,4-Trichlorobenzene	ug/L	<0.1	<0.1	0.1	5783171
1-Methylnaphthalene	ug/L	<0.2	<0.2	0.2	5783171
2,4,5-Trichlorophenol	ug/L	<0.2	<0.2	0.2	5783171
2,4,6-Trichlorophenol	ug/L	<0.2	<0.2	0.2	5783171
2,4-Dichlorophenol	ug/L	<0.1	<0.1	0.1	5783171
2,4-Dimethylphenol	ug/L	<0.5	<0.5	0.5	5783171
2,4-Dinitrophenol	ug/L	<2	<2	2	5783171
2,4-Dinitrotoluene	ug/L	<0.3	<0.3	0.3	5783171
2,6-Dinitrotoluene	ug/L	<0.3	<0.3	0.3	5783171
2-Chlorophenol	ug/L	<0.1	<0.1	0.1	5783171
2-Methylnaphthalene	ug/L	<0.2	<0.2	0.2	5783171
3,3'-Dichlorobenzidine	ug/L	<0.5	<0.5	0.5	5783171
Acenaphthene	ug/L	<0.2	<0.2	0.2	5783171
Acenaphthylene	ug/L	<0.2	<0.2	0.2	5783171
Anthracene	ug/L	<0.05	<0.05	0.05	5783171
Benzo(a)anthracene	ug/L	<0.05	<0.05	0.05	5783171
Benzo(a)pyrene	ug/L	<0.01	<0.01	0.01	5783171
Benzo(b/j)fluoranthene	ug/L	<0.05	<0.05	0.05	5783171
Benzo(g,h,i)perylene	ug/L	<0.05	<0.05	0.05	5783171
Benzo(k)fluoranthene	ug/L	<0.05	<0.05	0.05	5783171
Biphenyl	ug/L	<0.1	<0.1	0.1	5783171
Bis(2-chloroethyl)ether	ug/L	<0.5	<0.5	0.5	5783171
Bis(2-chloroisopropyl)ether	ug/L	<0.5	<0.5	0.5	5783171
Bis(2-ethylhexyl)phthalate	ug/L	<1	<1	1	5783171
Chrysene	ug/L	<0.05	<0.05	0.05	5783171
Dibenz(a,h)anthracene	ug/L	<0.1	<0.1	0.1	5783171
Diethyl phthalate	ug/L	<0.1	<0.1	0.1	5783171
Dimethyl phthalate	ug/L	<0.1	<0.1	0.1	5783171
Fluoranthene	ug/L	<0.2	<0.2	0.2	5783171
Fluorene	ug/L	<0.2	<0.2	0.2	5783171

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		HZN563	HZN564		
Sampling Date		2018/10/11 12:16	2018/10/11 12:55		
COC Number		686536-02-01	686536-02-01		
	UNITS	**WG-160900764-20181011-JK23**	**WG-160900764-20181011-JK24**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	<0.1	0.1	5783171
Naphthalene	ug/L	<0.2	<0.2	0.2	5783171
p-Chloroaniline	ug/L	<1	<1	1	5783171
Pentachlorophenol	ug/L	<0.1	<0.1	0.1	5783171
Phenanthrene	ug/L	<0.1	<0.1	0.1	5783171
Phenol	ug/L	<0.5	<0.5	0.5	5783171
Pyrene	ug/L	<0.05	<0.05	0.05	5783171
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/L	<0.28	<0.28	0.28	5778333
Surrogate Recovery (%)					
2,4,6-Tribromophenol	%	66	78		5783171
2-Fluorobiphenyl	%	52	64		5783171
D14-Terphenyl (FS)	%	99	100		5783171
D5-Nitrobenzene	%	51	63		5783171

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

TEST SUMMARY

Maxxam ID: HZN559
Sample ID: WG-160900764-20181011-JK19
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5778333	N/A	2018/10/17	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5783171	2018/10/15	2018/10/16	Milijana Avramovic
Acidity (CaCO3) in water	MT	5787592	N/A	2018/10/17	Brent Boudreau
Alkalinity	AT	5780756	N/A	2018/10/13	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5778792	N/A	2018/10/15	Automated Statchk
1,3-Dichloropropene Sum	CALC	5778334	N/A	2018/10/17	Automated Statchk
Chloride by Automated Colourimetry	KONE	5779330	N/A	2018/10/12	Deonarine Ramnarine
Conductivity	AT	5780772	N/A	2018/10/13	Surinder Rai
Chromium (VI) in Water	IC	5779274	N/A	2018/10/16	Lang Le
Free (WAD) Cyanide	SKAL/CN	5783559	N/A	2018/10/15	Louise Harding
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5781237	N/A	2018/10/14	Nimarta Singh
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5783712	2018/10/15	2018/10/16	(Kent) Maolin Li
Fluoride	ISE	5780748	2018/10/12	2018/10/13	Surinder Rai
Hardness (calculated as CaCO3)		5778622	N/A	2018/10/16	Automated Statchk
Mercury	CV/AA	5785671	2018/10/16	2018/10/17	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5782374	N/A	2018/10/16	Arefa Dabhad
Ion Balance (% Difference)	CALC	5778185	N/A	2018/10/16	Automated Statchk
Anion and Cation Sum	CALC	5778186	N/A	2018/10/16	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5779551	N/A	2018/10/11	Sonja Elavinamannil
Total Ammonia-N	LACH/NH4	5783974	N/A	2018/10/16	Chandra Nandlal
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5779342	N/A	2018/10/15	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5783776	2018/10/15	2018/10/16	Svitlana Shaula
pH	AT	5780775	N/A	2018/10/13	Surinder Rai
Orthophosphate	KONE	5779337	N/A	2018/10/15	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5777792	N/A	2018/10/16	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5777793	N/A	2018/10/16	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5779335	N/A	2018/10/12	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5777517	N/A	2018/10/16	Automated Statchk
Total Dissolved Solids	BAL	5783646	2018/10/16	2018/10/17	Niket Kumar Patel
Total Organic Carbon (TOC)	TOCV/NDIR	5783792	N/A	2018/10/15	Nimarta Singh
Total Suspended Solids	BAL	5783154	2018/10/15	2018/10/16	Niket Kumar Patel
Turbidity	AT	5778969	N/A	2018/10/12	Barbara Kalbasi Esfahani
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5782583	N/A	2018/10/17	Manpreet Sarao

Maxxam ID: HZN559 Dup
Sample ID: WG-160900764-20181011-JK19
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chromium (VI) in Water	IC	5779274	N/A	2018/10/16	Lang Le

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

TEST SUMMARY

Maxxam ID: HZN560
Sample ID: WG-160900764-20181011-JK20
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5778333	N/A	2018/10/17	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5783171	2018/10/15	2018/10/16	Milijana Avramovic
Acidity (CaCO3) in water	MT	5787592	N/A	2018/10/17	Brent Boudreau
Alkalinity	AT	5780756	N/A	2018/10/13	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5778792	N/A	2018/10/15	Automated Statchk
1,3-Dichloropropene Sum	CALC	5778334	N/A	2018/10/17	Automated Statchk
Chloride by Automated Colourimetry	KONE	5779330	N/A	2018/10/12	Deonarine Ramnarine
Conductivity	AT	5780772	N/A	2018/10/13	Surinder Rai
Chromium (VI) in Water	IC	5779274	N/A	2018/10/16	Lang Le
Free (WAD) Cyanide	SKAL/CN	5783559	N/A	2018/10/15	Louise Harding
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5782251	N/A	2018/10/14	Nimarta Singh
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5783712	2018/10/15	2018/10/16	(Kent) Maolin Li
Fluoride	ISE	5780748	2018/10/12	2018/10/13	Surinder Rai
Hardness (calculated as CaCO3)		5778622	N/A	2018/10/16	Automated Statchk
Mercury	CV/AA	5785696	2018/10/16	2018/10/17	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5782374	N/A	2018/10/16	Arefa Dabhad
Ion Balance (% Difference)	CALC	5778185	N/A	2018/10/16	Automated Statchk
Anion and Cation Sum	CALC	5778186	N/A	2018/10/16	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5779551	N/A	2018/10/11	Sonja Elavinamannil
Total Ammonia-N	LACH/NH4	5783207	N/A	2018/10/17	Chandra Nandlal
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5779342	N/A	2018/10/15	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5783776	2018/10/15	2018/10/15	Svitlana Shaula
pH	AT	5780775	N/A	2018/10/13	Surinder Rai
Orthophosphate	KONE	5779337	N/A	2018/10/15	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5777792	N/A	2018/10/16	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5777793	N/A	2018/10/16	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5779335	N/A	2018/10/12	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5777517	N/A	2018/10/16	Automated Statchk
Total Dissolved Solids	BAL	5783646	2018/10/16	2018/10/17	Niket Kumar Patel
Total Organic Carbon (TOC)	TOCV/NDIR	5783792	N/A	2018/10/15	Nimarta Singh
Total Suspended Solids	BAL	5783154	2018/10/15	2018/10/16	Niket Kumar Patel
Turbidity	AT	5778969	N/A	2018/10/12	Barbara Kalbasi Esfahani
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5782583	N/A	2018/10/17	Manpreet Sarao

Maxxam ID: HZN560 Dup
Sample ID: WG-160900764-20181011-JK20
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	5780756	N/A	2018/10/13	Surinder Rai
Conductivity	AT	5780772	N/A	2018/10/13	Surinder Rai
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5783712	2018/10/15	2018/10/16	(Kent) Maolin Li
Fluoride	ISE	5780748	2018/10/12	2018/10/13	Surinder Rai
Polychlorinated Biphenyl in Water	GC/ECD	5783776	2018/10/15	2018/10/16	Svitlana Shaula

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

TEST SUMMARY

Maxxam ID: HZN560 Dup
Sample ID: WG-160900764-20181011-JK20
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH	AT	5780775	N/A	2018/10/13	Surinder Rai

Maxxam ID: HZN561
Sample ID: WG-160900764-20181011-JK21
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5778333	N/A	2018/10/17	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5783171	2018/10/15	2018/10/16	Milijana Avramovic
Acidity (CaCO3) in water	MT	5787592	N/A	2018/10/17	Brent Boudreau
Alkalinity	AT	5780756	N/A	2018/10/13	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5778792	N/A	2018/10/15	Automated Statchk
1,3-Dichloropropene Sum	CALC	5778334	N/A	2018/10/17	Automated Statchk
Chloride by Automated Colourimetry	KONE	5780912	N/A	2018/10/16	Deonarine Ramnarine
Conductivity	AT	5780772	N/A	2018/10/13	Surinder Rai
Chromium (VI) in Water	IC	5779274	N/A	2018/10/16	Lang Le
Free (WAD) Cyanide	SKAL/CN	5783559	N/A	2018/10/15	Louise Harding
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5782251	N/A	2018/10/14	Nimarta Singh
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5783712	2018/10/15	2018/10/16	(Kent) Maolin Li
Fluoride	ISE	5780748	2018/10/12	2018/10/13	Surinder Rai
Hardness (calculated as CaCO3)		5778622	N/A	2018/10/16	Automated Statchk
Mercury	CV/AA	5785671	2018/10/16	2018/10/17	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5782374	N/A	2018/10/15	Arefa Dabhad
Ion Balance (% Difference)	CALC	5778185	N/A	2018/10/17	Automated Statchk
Anion and Cation Sum	CALC	5778186	N/A	2018/10/16	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5779551	N/A	2018/10/11	Sonja Elavinamannil
Total Ammonia-N	LACH/NH4	5783951	N/A	2018/10/16	Chandra Nandlal
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5779342	N/A	2018/10/15	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5783776	2018/10/15	2018/10/16	Svitlana Shaula
pH	AT	5780775	N/A	2018/10/13	Surinder Rai
Orthophosphate	KONE	5780917	N/A	2018/10/15	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5777792	N/A	2018/10/17	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5777793	N/A	2018/10/17	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5780913	N/A	2018/10/15	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5777517	N/A	2018/10/17	Automated Statchk
Total Dissolved Solids	BAL	5783646	2018/10/16	2018/10/17	Niket Kumar Patel
Total Organic Carbon (TOC)	TOCV/NDIR	5783792	N/A	2018/10/15	Nimarta Singh
Total Suspended Solids	BAL	5783154	2018/10/15	2018/10/16	Niket Kumar Patel
Turbidity	AT	5778969	N/A	2018/10/12	Barbara Kalbasi Esfahani
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5782583	N/A	2018/10/17	Manpreet Sarao

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

TEST SUMMARY

Maxxam ID: HZN561 Dup
Sample ID: WG-160900764-20181011-JK21
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Analysis by ICPMS (as received)	ICP/MS	5782374	N/A	2018/10/15	Arefa Dabhad
Total Suspended Solids	BAL	5783154	2018/10/15	2018/10/16	Niket Kumar Patel

Maxxam ID: HZN562
Sample ID: WG-160900764-20181011-JK22
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5778333	N/A	2018/10/17	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5783171	2018/10/15	2018/10/16	Milijana Avramovic
Acidity (CaCO3) in water	MT	5787592	N/A	2018/10/17	Brent Boudreau
Alkalinity	AT	5782308	N/A	2018/10/15	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5778792	N/A	2018/10/16	Automated Statchk
1,3-Dichloropropene Sum	CALC	5778334	N/A	2018/10/17	Automated Statchk
Chloride by Automated Colourimetry	KONE	5780912	N/A	2018/10/16	Deonarine Ramnarine
Conductivity	AT	5782309	N/A	2018/10/15	Surinder Rai
Chromium (VI) in Water	IC	5779274	N/A	2018/10/16	Lang Le
Free (WAD) Cyanide	SKAL/CN	5783559	N/A	2018/10/15	Louise Harding
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5781237	N/A	2018/10/14	Nimarta Singh
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5783712	2018/10/15	2018/10/16	(Kent) Maolin Li
Fluoride	ISE	5782307	2018/10/13	2018/10/15	Surinder Rai
Hardness (calculated as CaCO3)		5778622	N/A	2018/10/16	Automated Statchk
Mercury	CV/AA	5785671	2018/10/16	2018/10/17	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5782374	N/A	2018/10/15	Arefa Dabhad
Ion Balance (% Difference)	CALC	5778185	N/A	2018/10/17	Automated Statchk
Anion and Cation Sum	CALC	5778186	N/A	2018/10/16	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5779551	N/A	2018/10/11	Sonja Elavinamannil
Total Ammonia-N	LACH/NH4	5783951	N/A	2018/10/16	Chandra Nandlal
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5780986	N/A	2018/10/15	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5783776	2018/10/15	2018/10/16	Svitlana Shaula
pH	AT	5782310	N/A	2018/10/15	Surinder Rai
Orthophosphate	KONE	5780917	N/A	2018/10/15	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5777792	N/A	2018/10/17	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5777793	N/A	2018/10/17	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5780913	N/A	2018/10/15	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5777517	N/A	2018/10/17	Automated Statchk
Total Dissolved Solids	BAL	5783646	2018/10/16	2018/10/17	Niket Kumar Patel
Total Organic Carbon (TOC)	TOCV/NDIR	5783792	N/A	2018/10/15	Nimarta Singh
Total Suspended Solids	BAL	5783154	2018/10/15	2018/10/16	Niket Kumar Patel
Turbidity	AT	5780698	N/A	2018/10/12	Barbara Kalbasi Esfahani
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5782583	N/A	2018/10/17	Manpreet Sarao

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

TEST SUMMARY

Maxxam ID: HZN562 Dup
Sample ID: WG-160900764-20181011-JK22
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	5782308	N/A	2018/10/15	Surinder Rai
Conductivity	AT	5782309	N/A	2018/10/15	Surinder Rai
Fluoride	ISE	5782307	2018/10/13	2018/10/15	Surinder Rai
Total Ammonia-N	LACH/NH4	5783951	N/A	2018/10/16	Chandra Nandlal
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5780986	N/A	2018/10/15	Chandra Nandlal
pH	AT	5782310	N/A	2018/10/15	Surinder Rai

Maxxam ID: HZN563
Sample ID: WG-160900764-20181011-JK23
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5778333	N/A	2018/10/17	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5783171	2018/10/15	2018/10/16	Milijana Avramovic
Acidity (CaCO3) in water	MT	5787592	N/A	2018/10/17	Brent Boudreau
Alkalinity	AT	5780756	N/A	2018/10/13	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5778792	N/A	2018/10/15	Automated Statchk
1,3-Dichloropropene Sum	CALC	5778334	N/A	2018/10/17	Automated Statchk
Chloride by Automated Colourimetry	KONE	5780912	N/A	2018/10/16	Deonarine Ramnarine
Conductivity	AT	5780772	N/A	2018/10/13	Surinder Rai
Chromium (VI) in Water	IC	5779274	N/A	2018/10/16	Lang Le
Free (WAD) Cyanide	SKAL/CN	5783559	N/A	2018/10/15	Louise Harding
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5782251	N/A	2018/10/14	Nimarta Singh
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5783712	2018/10/15	2018/10/16	(Kent) Maolin Li
Fluoride	ISE	5780748	2018/10/12	2018/10/13	Surinder Rai
Hardness (calculated as CaCO3)		5778622	N/A	2018/10/16	Automated Statchk
Mercury	CV/AA	5785671	2018/10/16	2018/10/17	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5782374	N/A	2018/10/16	Arefa Dabhad
Ion Balance (% Difference)	CALC	5778185	N/A	2018/10/17	Automated Statchk
Anion and Cation Sum	CALC	5778186	N/A	2018/10/16	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5779551	N/A	2018/10/11	Sonja Elavinamannil
Total Ammonia-N	LACH/NH4	5783207	N/A	2018/10/17	Chandra Nandlal
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5779342	N/A	2018/10/15	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5783776	2018/10/15	2018/10/16	Svitlana Shaula
pH	AT	5780775	N/A	2018/10/13	Surinder Rai
Orthophosphate	KONE	5780917	N/A	2018/10/15	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5777792	N/A	2018/10/17	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5777793	N/A	2018/10/17	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5780913	N/A	2018/10/15	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5777517	N/A	2018/10/17	Automated Statchk
Total Dissolved Solids	BAL	5783646	2018/10/16	2018/10/17	Niket Kumar Patel
Total Organic Carbon (TOC)	TOCV/NDIR	5783792	N/A	2018/10/15	Nimarta Singh
Total Suspended Solids	BAL	5783154	2018/10/15	2018/10/16	Niket Kumar Patel
Turbidity	AT	5778969	N/A	2018/10/12	Barbara Kalbasi Esfahani

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

TEST SUMMARY

Maxxam ID: HZN563 **Collected:** 2018/10/11
Sample ID: WG-160900764-20181011-JK23 **Shipped:**
Matrix: Water **Received:** 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5782583	N/A	2018/10/17	Manpreet Sarao

Maxxam ID: HZN563 Dup **Collected:** 2018/10/11
Sample ID: WG-160900764-20181011-JK23 **Shipped:**
Matrix: Water **Received:** 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5779342	N/A	2018/10/15	Chandra Nandlal
Total Dissolved Solids	BAL	5783646	2018/10/16	2018/10/17	Niket Kumar Patel

Maxxam ID: HZN564 **Collected:** 2018/10/11
Sample ID: WG-160900764-20181011-JK24 **Shipped:**
Matrix: Water **Received:** 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5778333	N/A	2018/10/17	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5783171	2018/10/15	2018/10/16	Milijana Avramovic
Acidity (CaCO3) in water	MT	5787592	N/A	2018/10/17	Brent Boudreau
Alkalinity	AT	5780756	N/A	2018/10/13	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	5778792	N/A	2018/10/15	Automated Statchk
1,3-Dichloropropene Sum	CALC	5778334	N/A	2018/10/17	Automated Statchk
Chloride by Automated Colourimetry	KONE	5779330	N/A	2018/10/12	Deonarine Ramnarine
Conductivity	AT	5780772	N/A	2018/10/13	Surinder Rai
Chromium (VI) in Water	IC	5779274	N/A	2018/10/16	Lang Le
Free (WAD) Cyanide	SKAL/CN	5783559	N/A	2018/10/15	Louise Harding
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5782251	N/A	2018/10/14	Nimarta Singh
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5783712	2018/10/15	2018/10/16	(Kent) Maolin Li
Fluoride	ISE	5780748	2018/10/12	2018/10/13	Surinder Rai
Hardness (calculated as CaCO3)		5778622	N/A	2018/10/16	Automated Statchk
Mercury	CV/AA	5785671	2018/10/16	2018/10/17	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5782374	N/A	2018/10/16	Arefa Dabhad
Ion Balance (% Difference)	CALC	5778185	N/A	2018/10/16	Automated Statchk
Anion and Cation Sum	CALC	5778186	N/A	2018/10/16	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5779551	N/A	2018/10/11	Sonja Elavinamannil
Total Ammonia-N	LACH/NH4	5783207	N/A	2018/10/17	Chandra Nandlal
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5779342	N/A	2018/10/15	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5783776	2018/10/15	2018/10/16	Svitlana Shaula
pH	AT	5780775	N/A	2018/10/13	Surinder Rai
Orthophosphate	KONE	5779337	N/A	2018/10/15	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5777792	N/A	2018/10/16	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5777793	N/A	2018/10/16	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5779335	N/A	2018/10/12	Alina Dobreanu
Total Dissolved Solids (TDS calc)	CALC	5777517	N/A	2018/10/16	Automated Statchk
Total Dissolved Solids	BAL	5783646	2018/10/16	2018/10/17	Niket Kumar Patel

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

TEST SUMMARY

Maxxam ID: HZN564
Sample ID: WG-160900764-20181011-JK24
Matrix: Water

Collected: 2018/10/11
Shipped:
Received: 2018/10/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Organic Carbon (TOC)	TOCV/NDIR	5783792	N/A	2018/10/15	Nimarta Singh
Total Suspended Solids	BAL	5783154	2018/10/15	2018/10/16	Niket Kumar Patel
Turbidity	AT	5778969	N/A	2018/10/12	Barbara Kalbasi Esfahani
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5782583	N/A	2018/10/17	Manpreet Sarao

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

GENERAL COMMENTS

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

Package 1	11.7°C
Package 2	8.0°C
Package 3	8.0°C

Sample HZN559 [WG-160900764-20181011-JK19] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.
Hexavalent Chromium > Total/Dissolved Chromium: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample HZN560 [WG-160900764-20181011-JK20] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.
Hexavalent Chromium > Total/Dissolved Chromium: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample HZN561 [WG-160900764-20181011-JK21] : Hexavalent Chromium > Total/Dissolved Chromium: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample HZN562 [WG-160900764-20181011-JK22] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample HZN563 [WG-160900764-20181011-JK23] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample HZN564 [WG-160900764-20181011-JK24] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.
Hexavalent Chromium > Total/Dissolved Chromium: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Results relate only to the items tested.

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

Maxxam
A Bureau Veritas Group Company

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

QUALITY ASSURANCE REPORT

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

			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
5782583	4-Bromofluorobenzene	2018/10/16	101	70 - 130	102	70 - 130	81	%				
5782583	D4-1,2-Dichloroethane	2018/10/16	116	70 - 130	113	70 - 130	115	%				
5782583	D8-Toluene	2018/10/16	101	70 - 130	102	70 - 130	97	%				
5783171	2,4,6-Tribromophenol	2018/10/15	95	50 - 130	91	50 - 130	79	%				
5783171	2-Fluorobiphenyl	2018/10/15	56	50 - 130	78	50 - 130	68	%				
5783171	D14-Terphenyl (FS)	2018/10/15	93	50 - 130	98	50 - 130	95	%				
5783171	D5-Nitrobenzene	2018/10/15	56	50 - 130	80	50 - 130	76	%				
5783712	o-Terphenyl	2018/10/16	94	60 - 130	92	60 - 130	87	%				
5783776	Decachlorobiphenyl	2018/10/15	108	60 - 130	99	60 - 130	118	%				
5778969	Turbidity	2018/10/12			101	85 - 115	<0.1	NTU	0.39	20		
5779274	Chromium (VI)	2018/10/16	103	80 - 120	103	80 - 120	<0.50	ug/L	3.9	20		
5779330	Dissolved Chloride (Cl-)	2018/10/12	NC	80 - 120	101	80 - 120	<1.0	mg/L	2.0	20		
5779335	Dissolved Sulphate (SO4)	2018/10/12	NC	75 - 125	101	80 - 120	<1.0	mg/L	0.60	20		
5779337	Orthophosphate (P)	2018/10/15	95	75 - 125	100	80 - 120	<0.010	mg/L	4.3	25		
5779342	Nitrate (N)	2018/10/15	90	80 - 120	101	80 - 120	<0.10	mg/L	0.046	20		
5779342	Nitrite (N)	2018/10/15	101	80 - 120	103	80 - 120	<0.010	mg/L	NC	20		
5780698	Turbidity	2018/10/12			101	85 - 115	<0.1	NTU	1.0	20		
5780748	Fluoride (F-)	2018/10/13	93	80 - 120	96	80 - 120	<0.10	mg/L	NC	20		
5780756	Alkalinity (Total as CaCO3)	2018/10/13			96	85 - 115	<1.0	mg/L	1.4	20		
5780772	Conductivity	2018/10/13			100	85 - 115	<1.0	umho/cm	1.1	25		
5780775	pH	2018/10/13			101	98 - 103			2.5	N/A		
5780912	Dissolved Chloride (Cl-)	2018/10/16	NC	80 - 120	102	80 - 120	<1.0	mg/L	0.24	20		
5780913	Dissolved Sulphate (SO4)	2018/10/15	NC	75 - 125	106	80 - 120	<1.0	mg/L	0.094	20		
5780917	Orthophosphate (P)	2018/10/15	98	75 - 125	100	80 - 120	<0.010	mg/L	NC	25		
5780986	Nitrate (N)	2018/10/15	100	80 - 120	102	80 - 120	<0.10	mg/L	0.57	20		
5780986	Nitrite (N)	2018/10/15	100	80 - 120	103	80 - 120	<0.010	mg/L	NC	20		
5781237	Dissolved Organic Carbon	2018/10/14	91	80 - 120	96	80 - 120	<0.50	mg/L	2.7	20		
5782251	Dissolved Organic Carbon	2018/10/14	92	80 - 120	94	80 - 120	<0.50	mg/L	3.4	20		
5782307	Fluoride (F-)	2018/10/15	104	80 - 120	100	80 - 120	<0.10	mg/L	NC	20		
5782308	Alkalinity (Total as CaCO3)	2018/10/15			99	85 - 115	<1.0	mg/L	0.33	20		

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

Maxxam
A Bureau Veritas Group Company

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

QUALITY ASSURANCE REPORT(CONT'D)

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

			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
5782309	Conductivity	2018/10/15			101	85 - 115	<1.0	umho/cm	0	25		
5782310	pH	2018/10/15			101	98 - 103			0.080	N/A		
5782374	. Aluminum (Al)	2018/10/15	101	80 - 120	99	80 - 120	<0.0050	mg/L	2.9	20		
5782374	. Antimony (Sb)	2018/10/15	107	80 - 120	102	80 - 120	<0.00050	mg/L	NC	20		
5782374	. Arsenic (As)	2018/10/15	102	80 - 120	100	80 - 120	<0.0010	mg/L	NC	20		
5782374	. Barium (Ba)	2018/10/15	102	80 - 120	100	80 - 120	<0.0020	mg/L	1.0	20		
5782374	. Beryllium (Be)	2018/10/15	101	80 - 120	103	80 - 120	<0.00050	mg/L	NC	20		
5782374	. Boron (B)	2018/10/15	97	80 - 120	105	80 - 120	<0.010	mg/L	7.6	20		
5782374	. Cadmium (Cd)	2018/10/15	103	80 - 120	101	80 - 120	<0.00010	mg/L	NC	20		
5782374	. Calcium (Ca)	2018/10/15	NC	80 - 120	99	80 - 120	<0.20	mg/L	0.34	20		
5782374	. Chromium (Cr)	2018/10/15	93	80 - 120	95	80 - 120	<0.0050	mg/L	NC	20		
5782374	. Cobalt (Co)	2018/10/15	102	80 - 120	103	80 - 120	<0.00050	mg/L	NC	20		
5782374	. Copper (Cu)	2018/10/15	98	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
5782374	. Iron (Fe)	2018/10/15	103	80 - 120	100	80 - 120	<0.10	mg/L	NC	20		
5782374	. Lead (Pb)	2018/10/15	98	80 - 120	99	80 - 120	<0.00050	mg/L	NC	20		
5782374	. Magnesium (Mg)	2018/10/15	99	80 - 120	103	80 - 120	<0.050	mg/L	3.3	20		
5782374	. Manganese (Mn)	2018/10/15	101	80 - 120	100	80 - 120	<0.0020	mg/L	1.4	20		
5782374	. Molybdenum (Mo)	2018/10/15	103	80 - 120	99	80 - 120	<0.00050	mg/L	NC	20		
5782374	. Nickel (Ni)	2018/10/15	98	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
5782374	. Phosphorus (P)	2018/10/15	107	80 - 120	111	80 - 120	<0.10	mg/L	NC	20		
5782374	. Potassium (K)	2018/10/15	98	80 - 120	96	80 - 120	<0.20	mg/L	2.5	20		
5782374	. Selenium (Se)	2018/10/15	101	80 - 120	100	80 - 120	<0.0020	mg/L	NC	20		
5782374	. Silicon (Si)	2018/10/15	100	80 - 120	101	80 - 120	<0.050	mg/L	1.4	20		
5782374	. Silver (Ag)	2018/10/15	100	80 - 120	98	80 - 120	<0.00010	mg/L	NC	20		
5782374	. Sodium (Na)	2018/10/15	NC	80 - 120	100	80 - 120	<0.10	mg/L	3.0	20		
5782374	. Strontium (Sr)	2018/10/15	99	80 - 120	99	80 - 120	<0.0010	mg/L	2.1	20		
5782374	. Thallium (Tl)	2018/10/15	98	80 - 120	101	80 - 120	<0.000050	mg/L	NC	20		
5782374	. Titanium (Ti)	2018/10/15	100	80 - 120	99	80 - 120	<0.0050	mg/L	NC	20		
5782374	. Uranium (U)	2018/10/15	103	80 - 120	106	80 - 120	<0.00010	mg/L	0.81	20		
5782374	. Vanadium (V)	2018/10/15	102	80 - 120	101	80 - 120	<0.00050	mg/L	NC	20		

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

Maxxam
A Bureau Veritas Group Company

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

QUALITY ASSURANCE REPORT(CONT'D)

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

			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
5782374	. Zinc (Zn)	2018/10/15	101	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
5782374	. Zirconium (Zr)	2018/10/15	107	80 - 120	102	80 - 120	<0.0010	mg/L	NC	20		
5782583	1,1,1,2-Tetrachloroethane	2018/10/17	100	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5782583	1,1,1-Trichloroethane	2018/10/17	102	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
5782583	1,1,2,2-Tetrachloroethane	2018/10/17	101	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5782583	1,1,2-Trichloroethane	2018/10/17	101	70 - 130	96	70 - 130	<0.50	ug/L	NC	30		
5782583	1,1-Dichloroethane	2018/10/17	102	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
5782583	1,1-Dichloroethylene	2018/10/17	101	70 - 130	95	70 - 130	<0.20	ug/L	NC	30		
5782583	1,2-Dichlorobenzene	2018/10/17	98	70 - 130	93	70 - 130	<0.50	ug/L	NC	30		
5782583	1,2-Dichloroethane	2018/10/17	114	70 - 130	107	70 - 130	<0.50	ug/L	NC	30		
5782583	1,2-Dichloropropane	2018/10/17	99	70 - 130	93	70 - 130	<0.20	ug/L	NC	30		
5782583	1,3-Dichlorobenzene	2018/10/17	100	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5782583	1,4-Dichlorobenzene	2018/10/17	84	70 - 130	83	70 - 130	<0.50	ug/L	NC	30		
5782583	Acetone (2-Propanone)	2018/10/17	108	60 - 140	105	60 - 140	<10	ug/L	NC	30		
5782583	Benzene	2018/10/17	101	70 - 130	95	70 - 130	<0.20	ug/L	NC	30		
5782583	Bromodichloromethane	2018/10/17	104	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5782583	Bromoform	2018/10/17	99	70 - 130	95	70 - 130	<1.0	ug/L	NC	30		
5782583	Bromomethane	2018/10/17	105	60 - 140	97	60 - 140	<0.50	ug/L	NC	30		
5782583	Carbon Tetrachloride	2018/10/17	102	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
5782583	Chlorobenzene	2018/10/17	93	70 - 130	88	70 - 130	<0.20	ug/L	NC	30		
5782583	Chloroform	2018/10/17	105	70 - 130	99	70 - 130	<0.20	ug/L	NC	30		
5782583	cis-1,2-Dichloroethylene	2018/10/17	98	70 - 130	92	70 - 130	<0.50	ug/L	NC	30		
5782583	cis-1,3-Dichloropropene	2018/10/17	102	70 - 130	90	70 - 130	<0.30	ug/L	NC	30		
5782583	Dibromochloromethane	2018/10/17	102	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5782583	Dichlorodifluoromethane (FREON 12)	2018/10/17	95	60 - 140	92	60 - 140	<1.0	ug/L	NC	30		
5782583	Ethylbenzene	2018/10/17	91	70 - 130	86	70 - 130	<0.20	ug/L	NC	30		
5782583	Ethylene Dibromide	2018/10/17	105	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
5782583	F1 (C6-C10) - BTEX	2018/10/17					<25	ug/L	NC	30		
5782583	F1 (C6-C10)	2018/10/17	99	60 - 140	100	60 - 140	<25	ug/L	NC	30		
5782583	Hexane	2018/10/17	98	70 - 130	91	70 - 130	<1.0	ug/L	NC	30		
5782583	Methyl Ethyl Ketone (2-Butanone)	2018/10/17	112	60 - 140	107	60 - 140	<10	ug/L	NC	30		

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

Maxxam
A Bureau Veritas Group Company

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

QUALITY ASSURANCE REPORT(CONT'D)

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

			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
5782583	Methyl Isobutyl Ketone	2018/10/17	94	70 - 130	89	70 - 130	<5.0	ug/L	NC	30		
5782583	Methyl t-butyl ether (MTBE)	2018/10/17	97	70 - 130	92	70 - 130	<0.50	ug/L	NC	30		
5782583	Methylene Chloride(Dichloromethane)	2018/10/17	100	70 - 130	94	70 - 130	<2.0	ug/L	NC	30		
5782583	o-Xylene	2018/10/17	90	70 - 130	86	70 - 130	<0.20	ug/L	NC	30		
5782583	p+m-Xylene	2018/10/17	90	70 - 130	87	70 - 130	<0.20	ug/L	NC	30		
5782583	Styrene	2018/10/17	95	70 - 130	92	70 - 130	<0.50	ug/L	NC	30		
5782583	Tetrachloroethylene	2018/10/17	96	70 - 130	91	70 - 130	<0.20	ug/L	NC	30		
5782583	Toluene	2018/10/17	100	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
5782583	Total Xylenes	2018/10/17					<0.20	ug/L	NC	30		
5782583	trans-1,2-Dichloroethylene	2018/10/17	97	70 - 130	91	70 - 130	<0.50	ug/L	NC	30		
5782583	trans-1,3-Dichloropropene	2018/10/17	104	70 - 130	91	70 - 130	<0.40	ug/L	NC	30		
5782583	Trichloroethylene	2018/10/17	97	70 - 130	91	70 - 130	<0.20	ug/L	NC	30		
5782583	Trichlorofluoromethane (FREON 11)	2018/10/17	104	70 - 130	99	70 - 130	<0.50	ug/L	NC	30		
5782583	Vinyl Chloride	2018/10/17	94	70 - 130	92	70 - 130	<0.20	ug/L	NC	30		
5783154	Total Suspended Solids	2018/10/16					<10	mg/L	NC	25	98	85 - 115
5783171	1,2,4-Trichlorobenzene	2018/10/15	43 (1)	50 - 130	59	50 - 130	<0.1	ug/L	NC	30		
5783171	1-Methylnaphthalene	2018/10/15	63	50 - 130	86	50 - 130	<0.2	ug/L	NC	30		
5783171	2,4,5-Trichlorophenol	2018/10/15	77	50 - 130	96	50 - 130	<0.2	ug/L	NC	30		
5783171	2,4,6-Trichlorophenol	2018/10/15	69	50 - 130	91	50 - 130	<0.2	ug/L	NC	30		
5783171	2,4-Dichlorophenol	2018/10/15	56	50 - 130	89	50 - 130	<0.1	ug/L	NC	30		
5783171	2,4-Dimethylphenol	2018/10/15	55	30 - 130	80	30 - 130	<0.5	ug/L	NC	30		
5783171	2,4-Dinitrophenol	2018/10/15	114	30 - 130	100	30 - 130	<2	ug/L	NC	30		
5783171	2,4-Dinitrotoluene	2018/10/15	91	50 - 130	98	50 - 130	<0.3	ug/L	NC	30		
5783171	2,6-Dinitrotoluene	2018/10/15	80	50 - 130	94	50 - 130	<0.3	ug/L	NC	30		
5783171	2-Chlorophenol	2018/10/15	53	50 - 130	75	50 - 130	<0.1	ug/L	NC	30		
5783171	2-Methylnaphthalene	2018/10/15	61	50 - 130	82	50 - 130	<0.2	ug/L	NC	30		
5783171	3,3'-Dichlorobenzidine	2018/10/15	94	30 - 130	101	30 - 130	<0.5	ug/L	NC	30		
5783171	Acenaphthene	2018/10/15	68	50 - 130	91	50 - 130	<0.2	ug/L	NC	30		
5783171	Acenaphthylene	2018/10/15	67	50 - 130	91	50 - 130	<0.2	ug/L	NC	30		
5783171	Anthracene	2018/10/15	85	50 - 130	92	50 - 130	<0.05	ug/L	NC	30		
5783171	Benzo(a)anthracene	2018/10/15	93	50 - 130	103	50 - 130	<0.05	ug/L	NC	30		

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

Maxxam
A Bureau Veritas Group Company

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

QUALITY ASSURANCE REPORT(CONT'D)

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

			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
5783171	Benzo(a)pyrene	2018/10/15	95	50 - 130	99	50 - 130	<0.01	ug/L	NC	30		
5783171	Benzo(b/j)fluoranthene	2018/10/15	90	50 - 130	99	50 - 130	<0.05	ug/L	NC	30		
5783171	Benzo(g,h,i)perylene	2018/10/15	93	50 - 130	88	50 - 130	<0.05	ug/L	NC	30		
5783171	Benzo(k)fluoranthene	2018/10/15	95	50 - 130	110	50 - 130	<0.05	ug/L	NC	30		
5783171	Biphenyl	2018/10/15	62	50 - 130	87	50 - 130	<0.1	ug/L	NC	30		
5783171	Bis(2-chloroethyl)ether	2018/10/15	50	50 - 130	77	50 - 130	<0.5	ug/L	NC	30		
5783171	Bis(2-chloroisopropyl)ether	2018/10/15	55	50 - 130	80	50 - 130	<0.5	ug/L	NC	30		
5783171	Bis(2-ethylhexyl)phthalate	2018/10/15	94	50 - 130	99	50 - 130	<1	ug/L	NC	30		
5783171	Chrysene	2018/10/15	98	50 - 130	104	50 - 130	<0.05	ug/L	NC	30		
5783171	Dibenz(a,h)anthracene	2018/10/15	97	50 - 130	94	50 - 130	<0.1	ug/L	NC	30		
5783171	Diethyl phthalate	2018/10/15	100	50 - 130	99	50 - 130	<0.1	ug/L	NC	30		
5783171	Dimethyl phthalate	2018/10/15	94	50 - 130	100	50 - 130	<0.1	ug/L	NC	30		
5783171	Fluoranthene	2018/10/15	95	50 - 130	107	50 - 130	<0.2	ug/L	NC	30		
5783171	Fluorene	2018/10/15	83	50 - 130	89	50 - 130	<0.2	ug/L	NC	30		
5783171	Indeno(1,2,3-cd)pyrene	2018/10/15	94	50 - 130	97	50 - 130	<0.1	ug/L	NC	30		
5783171	Naphthalene	2018/10/15	70	50 - 130	80	50 - 130	<0.2	ug/L	NC	30		
5783171	p-Chloroaniline	2018/10/15	67	30 - 130	95	30 - 130	<1	ug/L	NC	30		
5783171	Pentachlorophenol	2018/10/15	102	50 - 130	96	50 - 130	<0.1	ug/L	NC	30		
5783171	Phenanthrene	2018/10/15	86	50 - 130	94	50 - 130	<0.1	ug/L	NC	30		
5783171	Phenol	2018/10/15	23 (1)	30 - 130	34	30 - 130	<0.5	ug/L	NC	30		
5783171	Pyrene	2018/10/15	93	50 - 130	108	50 - 130	<0.05	ug/L	NC	30		
5783207	Total Ammonia-N	2018/10/17	93	75 - 125	95	80 - 120	<0.050	mg/L	NC	20		
5783559	WAD Cyanide (Free)	2018/10/15	101	80 - 120	101	80 - 120	<1	ug/L	NC	20		
5783646	Total Dissolved Solids	2018/10/17					<10	mg/L	1.7	25	98	90 - 110
5783712	F2 (C10-C16 Hydrocarbons)	2018/10/16	98	50 - 130	96	60 - 130	<100	ug/L	NC	30		
5783712	F3 (C16-C34 Hydrocarbons)	2018/10/16	99	50 - 130	99	60 - 130	<200	ug/L	NC	30		
5783712	F4 (C34-C50 Hydrocarbons)	2018/10/16	94	50 - 130	93	60 - 130	<200	ug/L	NC	30		
5783776	Aroclor 1242	2018/10/16					<0.05	ug/L	NC	30		
5783776	Aroclor 1248	2018/10/16					<0.05	ug/L	NC	30		
5783776	Aroclor 1254	2018/10/16					<0.05	ug/L	NC	30		
5783776	Aroclor 1260	2018/10/16	110	60 - 130	87	60 - 130	<0.05	ug/L	NC	30		

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

Maxxam
A Bureau Veritas Group Company

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

QUALITY ASSURANCE REPORT(CONT'D)

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

			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
5783776	Total PCB	2018/10/16	110	60 - 130	87	60 - 130	<0.05	ug/L	NC	40		
5783792	Total Organic Carbon (TOC)	2018/10/15	98	80 - 120	99	80 - 120	<0.50	mg/L	0.28	20		
5783951	Total Ammonia-N	2018/10/16	100	75 - 125	100	80 - 120	<0.050	mg/L	9.1	20		
5783974	Total Ammonia-N	2018/10/16	98	75 - 125	97	80 - 120	<0.050	mg/L	NC	20		
5785671	Mercury (Hg)	2018/10/17	89	75 - 125	92	80 - 120	<0.1	ug/L	NC	20		
5785696	Mercury (Hg)	2018/10/17	87	75 - 125	92	80 - 120	<0.1	ug/L	NC	20		
5787592	Acidity	2018/10/17	87	80 - 120	101	80 - 120	<5.0	mg/L	NC	25		

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 below the lower control limit. This may represent a low bias in some results for this specific analyte.

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

Maxxam Job #: B8Q8634
Report Date: 2018/10/18

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

VALIDATION SIGNATURE PAGE

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

Cristina Carriere, Scientific Service Specialist

Gina Thompson, Inorganics General Chemistry Supervisor

Sonja Elavinamannil, Analyst I

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

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

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

STANTEC CHAIN OF CUSTODY RECORD

Page 1 of 1

MICRO

INVOICE INFORMATION:

Company Name: #9197 Stantec Consulting Ltd
Contact Name: Accounts Payable
Address: 300 Hagey Blvd Suite 100 Waterloo ON N2L 0A4
Phone: (519) 579-4410 Fax: (519) 579-6733
Email: accounts.payable.invoices@stantec.com

REPORT INFORMATION(if differs from invoice):

Company Name: #18379 Stantec Consulting Ltd
Contact Name: Report - 160900764
Address: ON
Phone: Fax:
Email: aaron.warkentin@stantec.com, jamie.koch@stantec.co

PROJECT INFORMATION:

Quotation #: B48218
Task #: 200.400
Project #: 160900764
Profit Centre: 1609
Site #: Clarington TS - Private Well
Sampled By:

Laboratory Use Only:

Maxxam Job #:
Bottle Order #: 686536
COC #: C#686536-02-01
Project Manager: Ronklin Gracian

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

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

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

Special Instructions

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

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 / Cr VI	Acidity	Cr (VI) & Free CN	Fluoride & Turbidity	Mercury & TOC	Total Coliforms/ E. coli Background	TDS & TSS	RCAp - Comprehensive (Drinking Water) - No field filter	Reg 153 PCBs	Reg 153 VOCs & F1-F4	SVOCs	# of Bottles	Comments
1		WG-160900764-201810 11-JK19	OCT 11 2018	0917	GW	NA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	19	Sample as received per quote
2		WG-160900764-201810 11-JK20		1007	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3		WG-160900764-201810 11-JK21		1030	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
4		WG-160900764-201810 11-JK22		1118	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
5		WG-160900764-201810 11-JK23		1216	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
6		WG-160900764-201810 11-JK24		1255	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
7		WG-160900764-201810___			GW													
8		WG-160900764-201810___			GW													
9		WG-160900764-201810___			GW													
10		WG-160900764-201810___			GW													

11-Oct-18 15:16
Ronklin Gracian
B8Q8634
DSG ENV-587

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
JAMIE KOCH	18/10/11	1511	KATHLYN VAN GUNSEN	2018/10/11	15:16	

Laboratory Use Only: Time Sensitive | Temperature (°C) on Recei: 11/13/11 | Custody Seal: Present / Intact | Yes | No

* 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

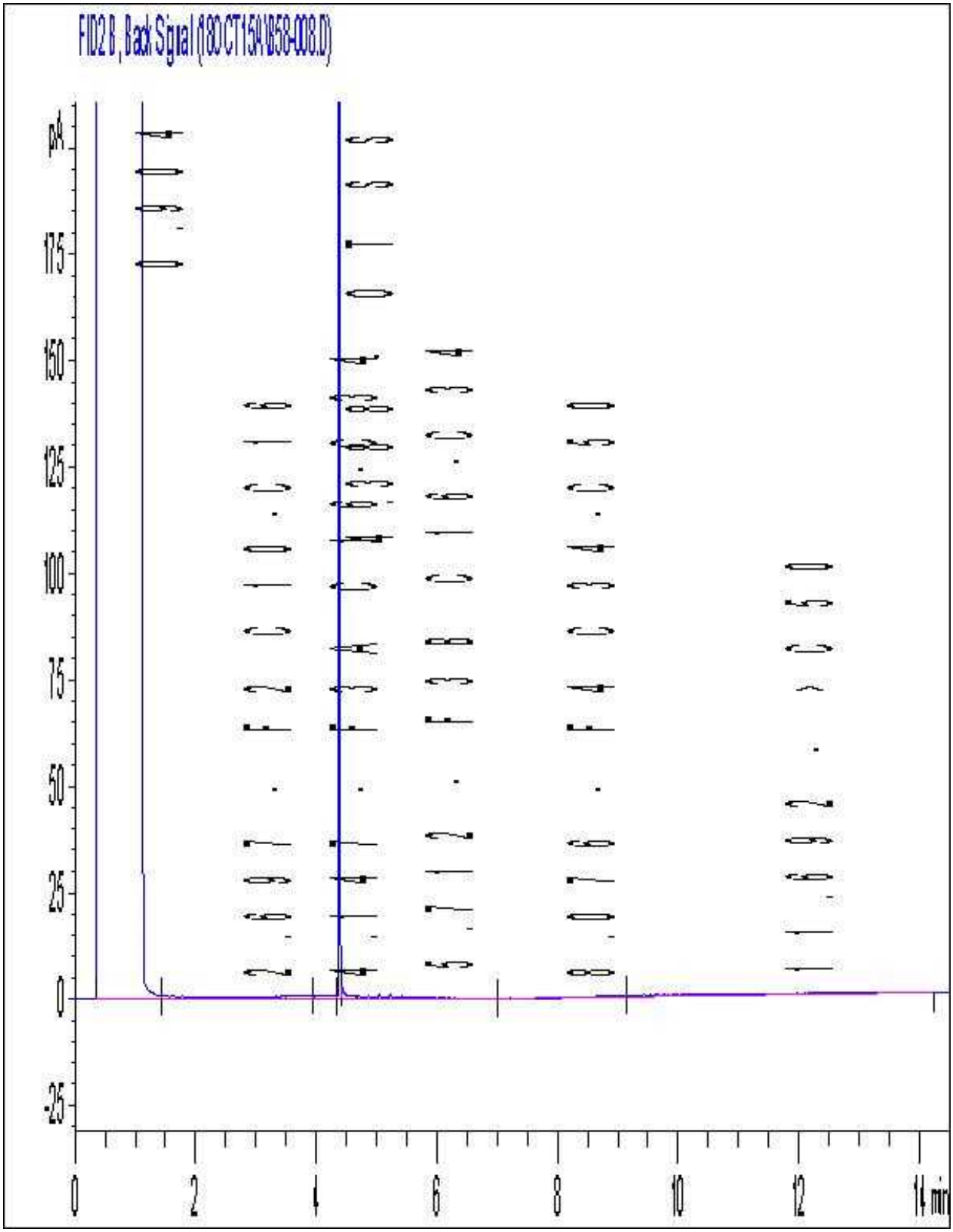
9/10/5 11/10/3 ICE

Maxxam Analytics International Corporation o/a Maxxam Analytics

Maxxam Job #: B8Q8634
Report Date: 2018/10/18
Maxxam Sample: HZN559

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20181011-JK19

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

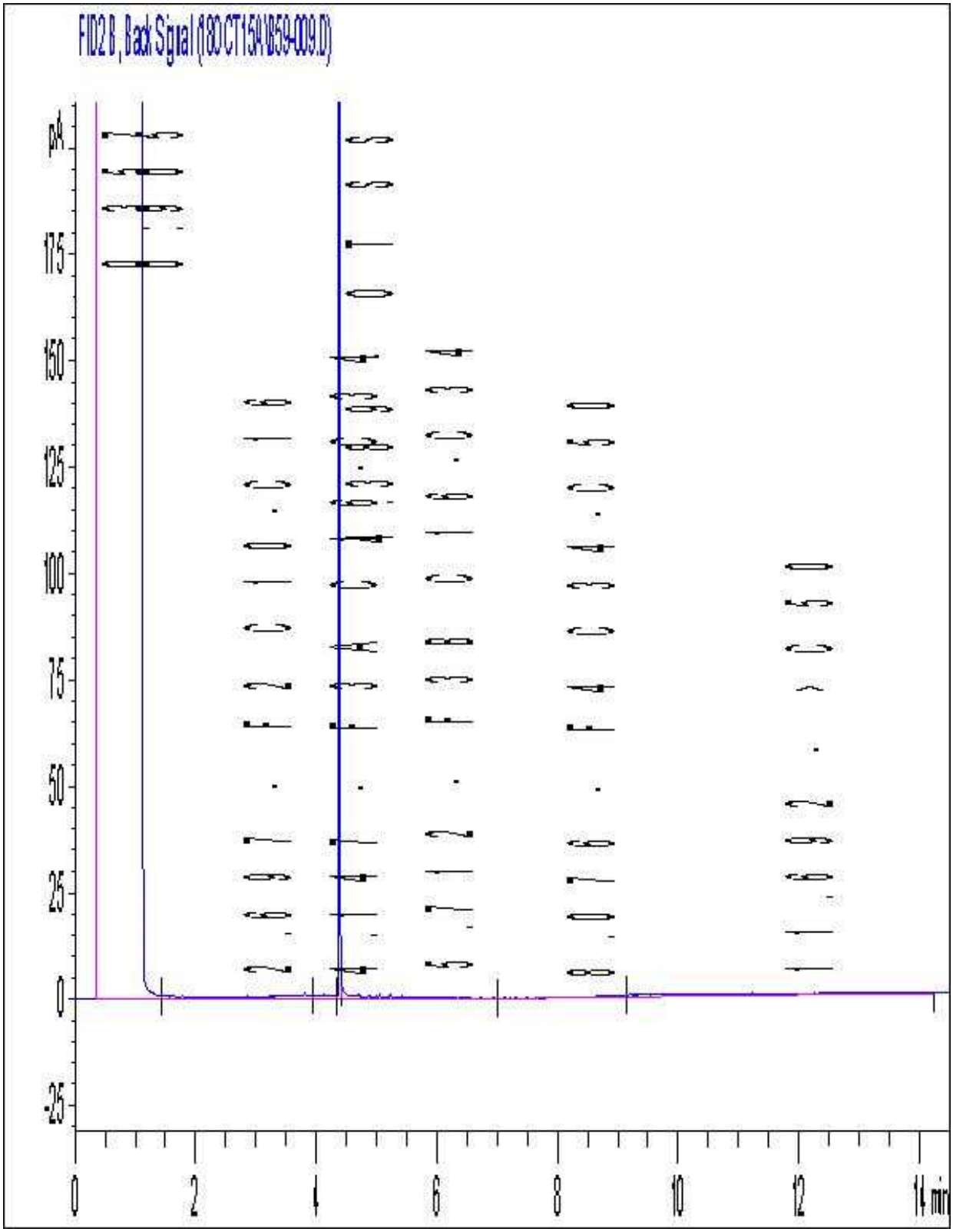


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B8Q8634
Report Date: 2018/10/18
Maxxam Sample: HZN560

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20181011-JK20

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

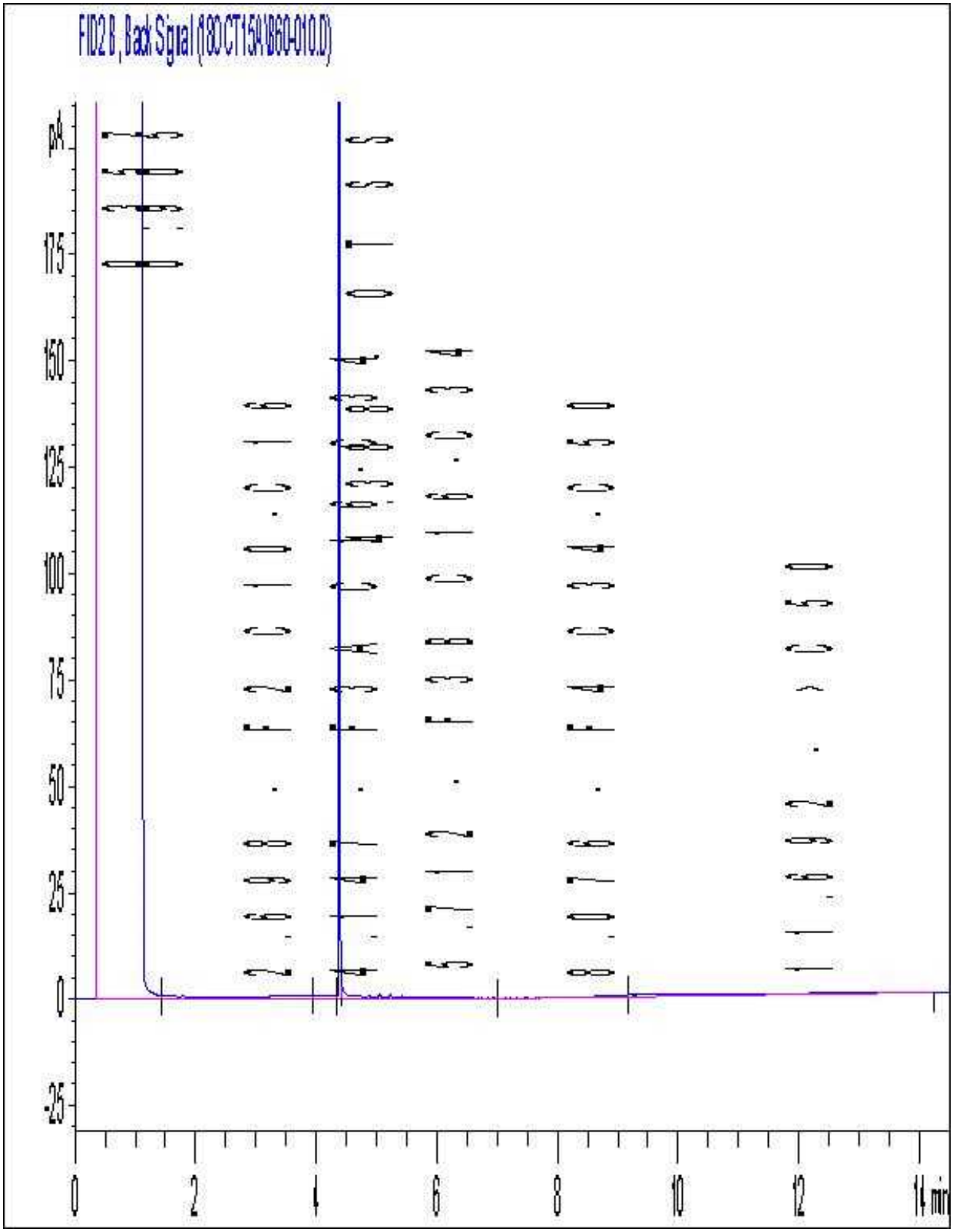


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B8Q8634
Report Date: 2018/10/18
Maxxam Sample: HZN560 Lab-Dup

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20181011-JK20

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

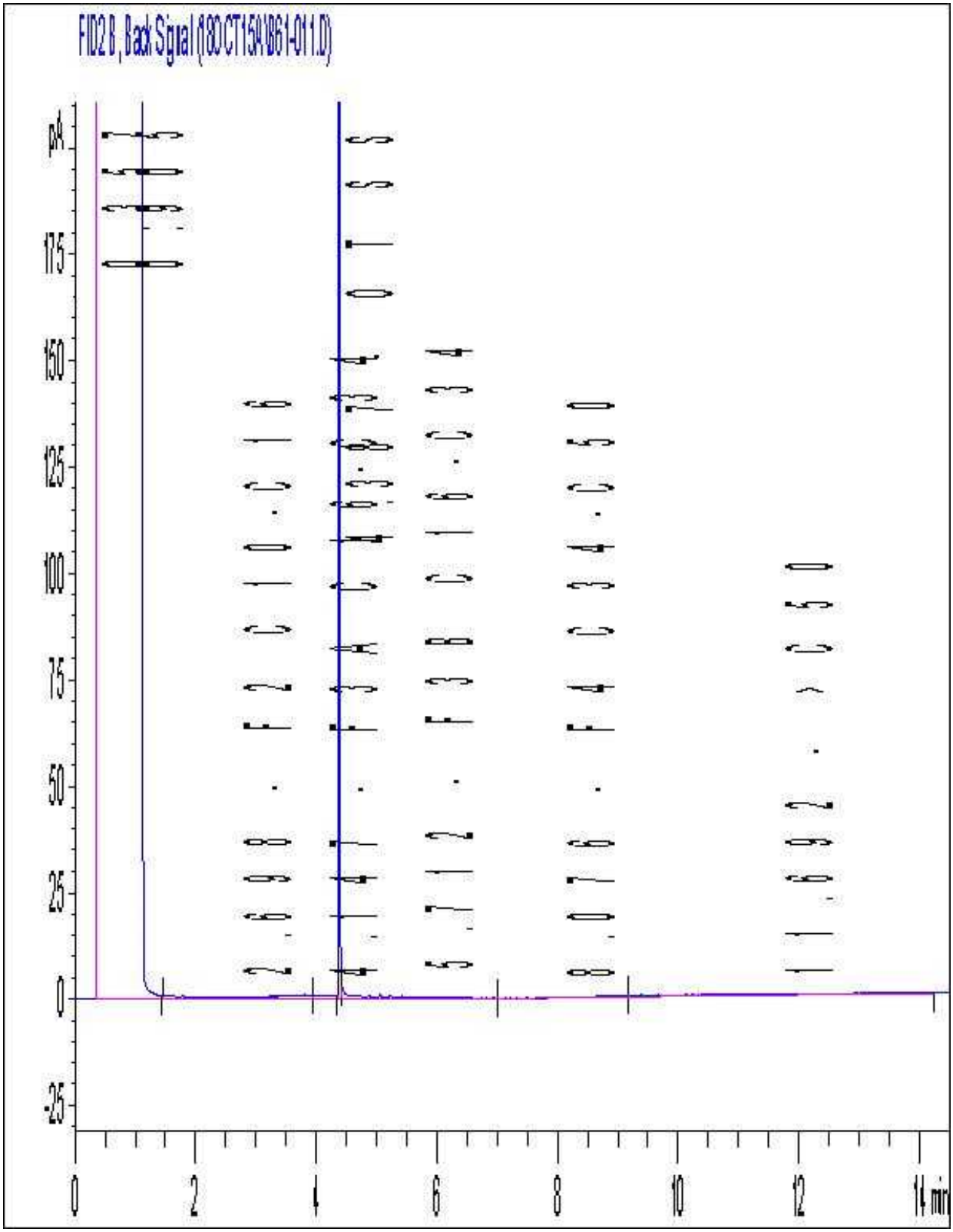


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B8Q8634
Report Date: 2018/10/18
Maxxam Sample: HZN561

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20181011-JK21

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

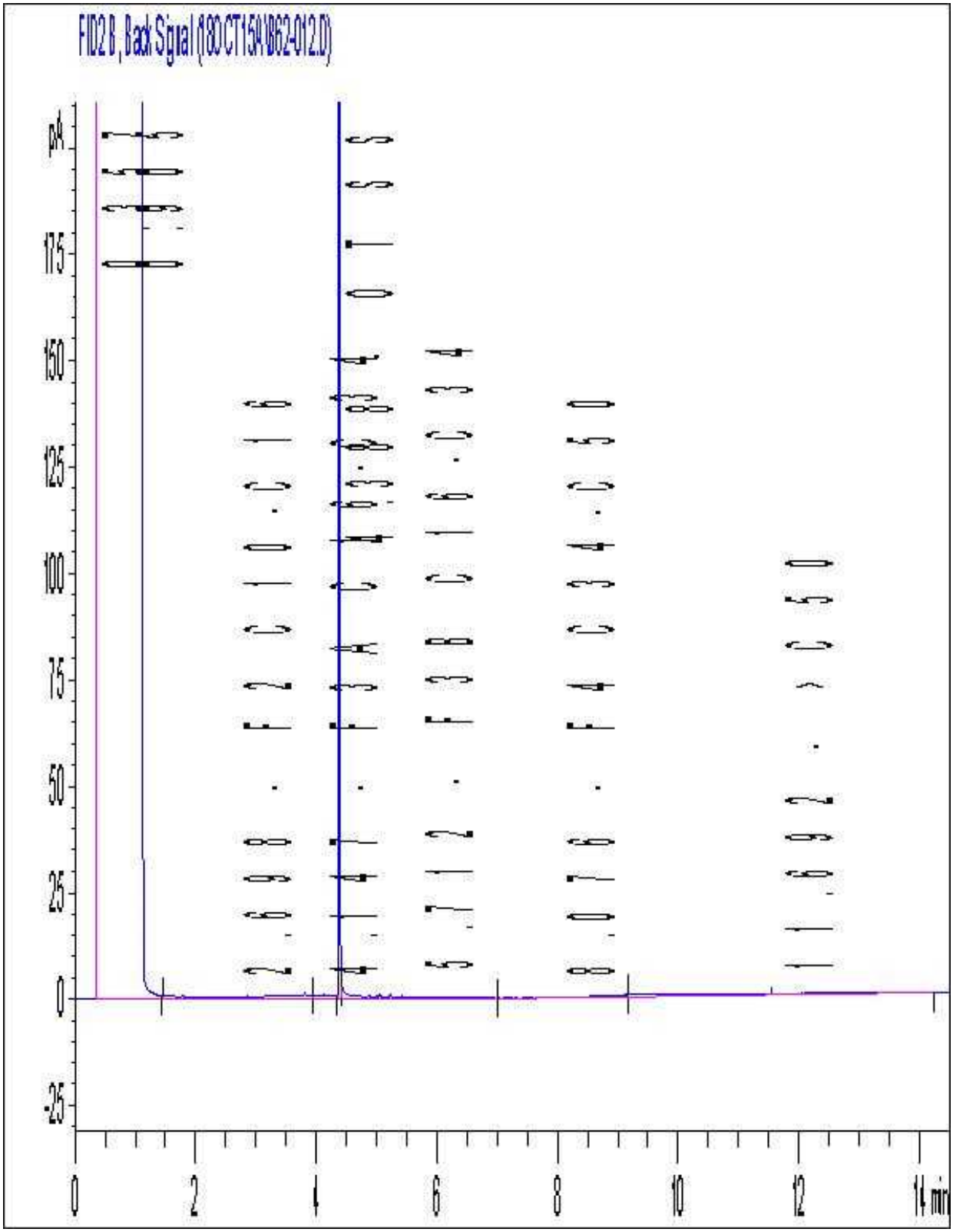


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B8Q8634
Report Date: 2018/10/18
Maxxam Sample: HZN562

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20181011-JK22

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

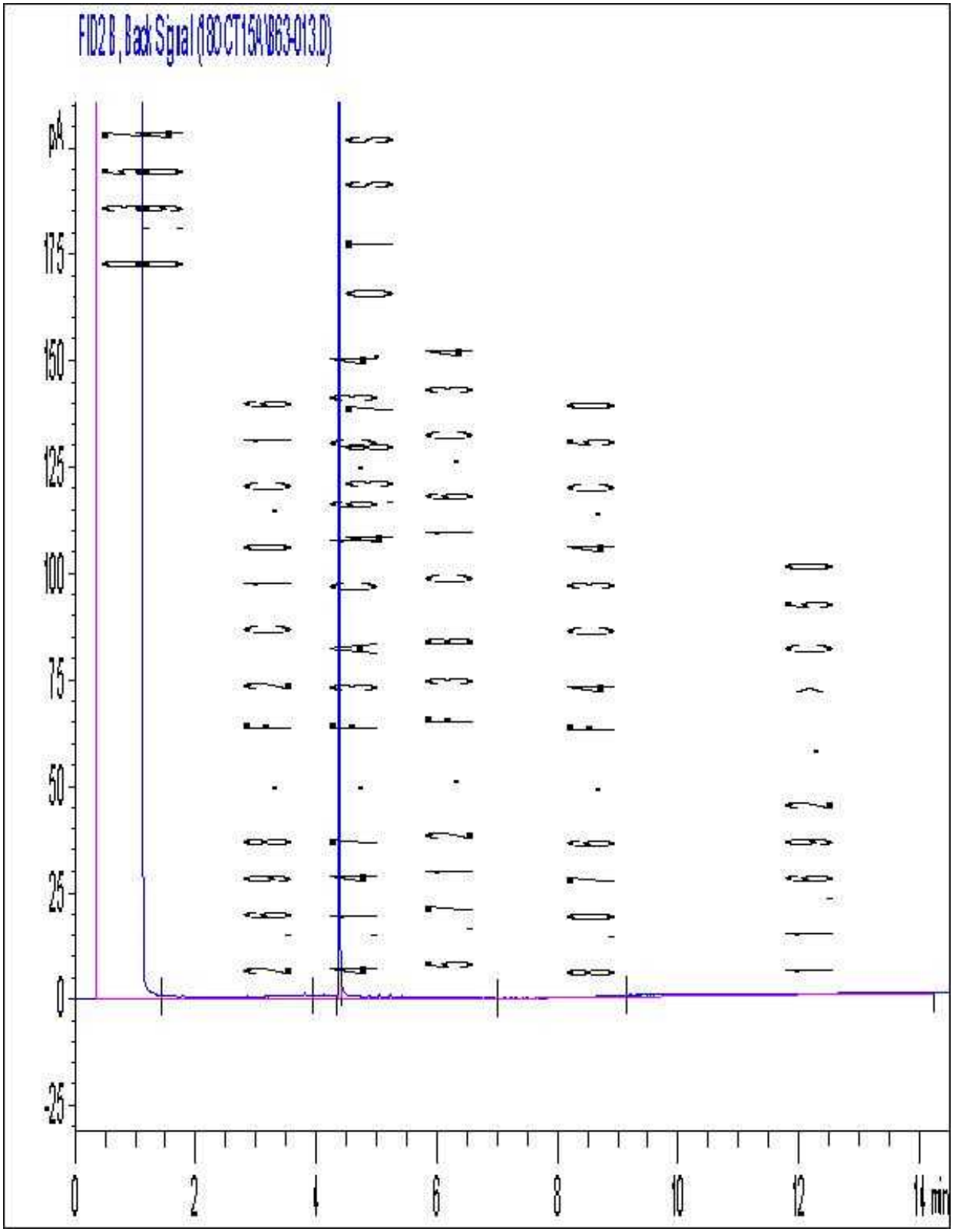


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B8Q8634
Report Date: 2018/10/18
Maxxam Sample: HZN563

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20181011-JK23

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

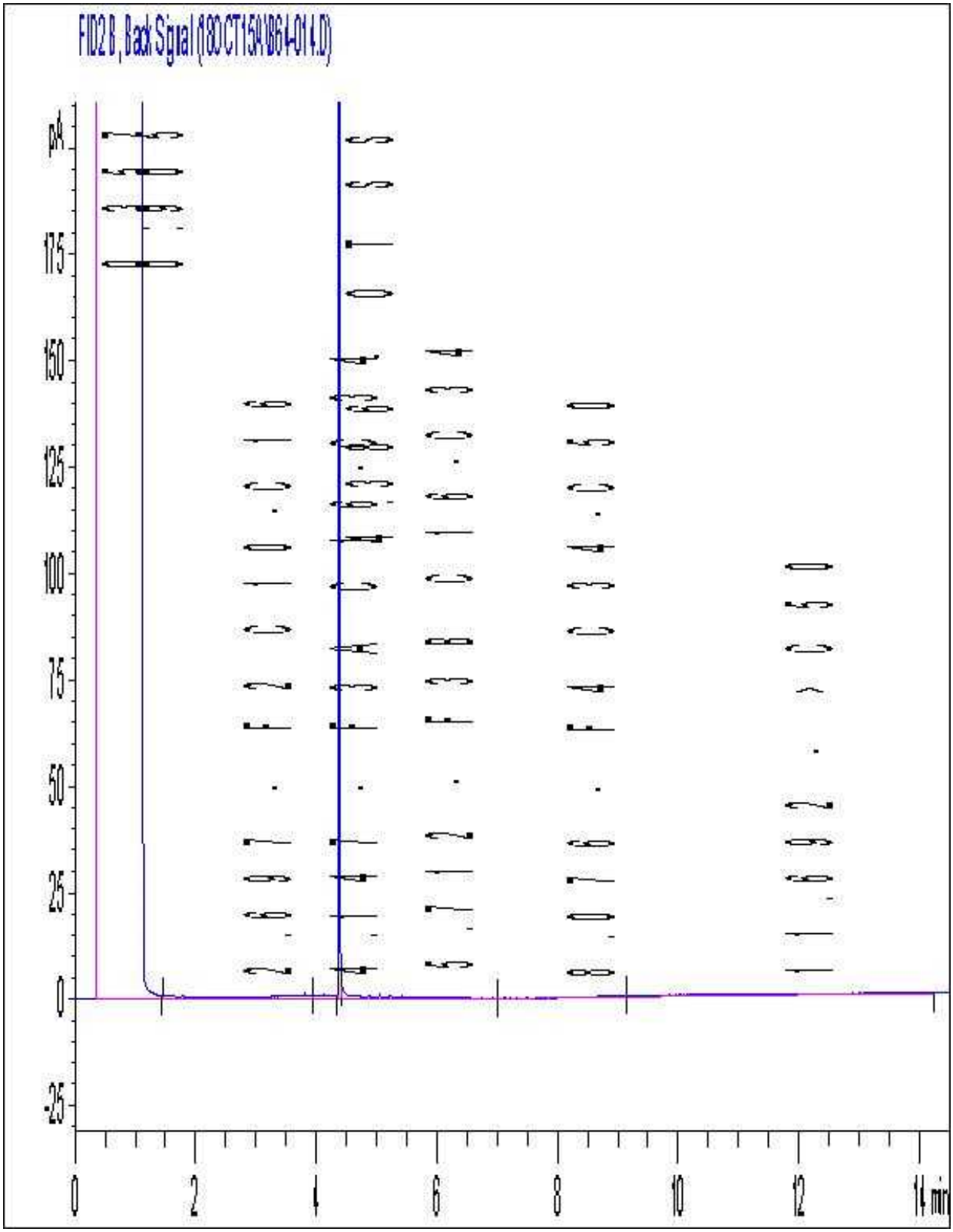


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B8Q8634
Report Date: 2018/10/18
Maxxam Sample: HZN564

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20181011-JK24

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.