Maxxam
A Bureau Veritas Group Company

Your Project #: 160900764
Site Location: CLARINGTON TS - PRIVATE WELL
Your C.O.C. #: 657879-01-01

Attention: Report - 160900764

Stantec Consulting Ltd
Clarington
ON
Canada

Report Date: 2018/04/26
Report #: R5092900
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B888862
Received: 2018/04/19, 08:30

Sample Matrix: Water
Samples Received: 9

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Methylnaphthalene Sum	8	N/A	2018/04/23	CAM SOP-00301	EPA 8270D m
Methylnaphthalene Sum	1	N/A	2018/04/25	CAM SOP-00301	EPA 8270D m
ABN Compounds in Water by SIM GC/MS	8	2018/04/20	2018/04/21	CAM SOP-00301	EPA 8270 m
ABN Compounds in Water by SIM GC/MS	1	2018/04/24	2018/04/24	CAM SOP-00301	EPA 8270 m
Acidity (CaCO3) in water (1)	9	N/A	2018/04/25		SM 22 2310
Alkalinity	8	N/A	2018/04/21	CAM SOP-00448	SM 23 2320 B m
Alkalinity	1	N/A	2018/04/22	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide	9	N/A	2018/04/23	CAM SOP-00102	APHA 4500-CO2 D
1,3-Dichloropropene Sum	9	N/A	2018/04/26		EPA 8260C m
Chloride by Automated Colourimetry	9	N/A	2018/04/23	CAM SOP-00463	EPA 325.2 m
Conductivity	8	N/A	2018/04/21	CAM SOP-00414	SM 23 2510 m
Conductivity	1	N/A	2018/04/22	CAM SOP-00414	SM 23 2510 m
Chromium (VI) in Water	9	N/A	2018/04/25	CAM SOP-00436	EPA 7199 m
Free (WAD) Cyanide	9	N/A	2018/04/23	CAM SOP-00457	OMOE E3015 m
Dissolved Organic Carbon (DOC) (2)	1	N/A	2018/04/20	CAM SOP-00446	SM 23 5310 B m
Dissolved Organic Carbon (DOC) (2)	8	N/A	2018/04/21	CAM SOP-00446	SM 23 5310 B m
Petroleum Hydrocarbons F2-F4 in Water (3)	9	2018/04/24	2018/04/25	CAM SOP-00316	CCME PHC-CWS m
Fluoride	8	2018/04/20	2018/04/21	CAM SOP-00449	SM 23 4500-F C m
Fluoride	1	2018/04/20	2018/04/22	CAM SOP-00449	SM 23 4500-F C m
Hardness (calculated as CaCO3)	9	N/A	2018/04/20	CAM SOP 00102/00408/00447	SM 2340 B
Mercury	8	2018/04/23	2018/04/23	CAM SOP-00453	EPA 7470A m
Mercury	1	2018/04/24	2018/04/24	CAM SOP-00453	EPA 7470A m
Metals Analysis by ICPMS (as received) (4)	9	N/A	2018/04/20	CAM SOP-00447	EPA 6020B m
Ion Balance (% Difference)	9	N/A	2018/04/23		
Anion and Cation Sum	9	N/A	2018/04/23		
Total Coliforms/ E. coli, CFU/100mL	9	N/A	2018/04/19	CAM SOP-00551	MOE E3407
Total Ammonia-N	9	N/A	2018/04/25	CAM SOP-00441	EPA GS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (5)	9	N/A	2018/04/23	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Polychlorinated Biphenyl in Water	9	2018/04/21	2018/04/21	CAM SOP-00309	EPA 8082A m

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

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Sample Matrix: Water
Samples Received: 9

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
pH	8	N/A	2018/04/21	CAM SOP-00413	SM 4500H+ B m
pH	1	N/A	2018/04/22	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	9	N/A	2018/04/22	CAM SOP-00461	EPA 365.1 m
Sat. pH and Langelier Index (@ 20C)	9	N/A	2018/04/23		
Sat. pH and Langelier Index (@ 4C)	9	N/A	2018/04/23		
Sulphate by Automated Colourimetry	9	N/A	2018/04/23	CAM SOP-00464	EPA 375.4 m
Total Dissolved Solids (TDS calc)	9	N/A	2018/04/23		
Total Dissolved Solids	9	2018/04/20	2018/04/25	CAM SOP-00428	SM 23 2540C m
Total Organic Carbon (TOC) (6)	9	N/A	2018/04/24	CAM SOP-00446	SM 23 5310B m
Total Suspended Solids	9	2018/04/20	2018/04/25	CAM SOP-00428	SM 23 2540D m
Turbidity	8	N/A	2018/04/20	CAM SOP-00417	SM 23 2130 B m
Turbidity	1	N/A	2018/04/21	CAM SOP-00417	SM 23 2130 B m
Volatile Organic Compounds and F1 PHCs	1	N/A	2018/04/24	CAM SOP-00230	EPA 8260C m
Volatile Organic Compounds and F1 PHCs	8	N/A	2018/04/25	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.

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 agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

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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

Ronklin Gracian
Project Manager
26 Apr 2018 16:58:18

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Deepthi Shaji, Project Manager
Email: dshaji@maxxam.ca
Phone# (905)817-5700 Ext:5807

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

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Report Date: 2018/04/26

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML887		GML888		
Sampling Date		2018/04/18 09:31		2018/04/18 10:14		
COC Number		657879-01-01		657879-01-01		
	UNITS	**WG-160900764-20180418-JK8**	**QC Batch**	**WG-160900764-20180418-JK9**	**RDL**	**QC Batch**
Calculated Parameters						
Anion Sum	me/L	5.62	5491830	6.87	N/A	5491830
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	210	5491719	270	1.0	5491719
Calculated TDS	mg/L	300	5491698	360	1.0	5491698
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.9	5491719	2.1	1.0	5491719
Cation Sum	me/L	5.38	5491830	6.27	N/A	5491830
Hardness (CaCO3)	mg/L	250	5491994	300	1.0	5491994
Ion Balance (% Difference)	%	2.17	5492113	4.57	N/A	5492113
Langelier Index (@ 20C)	N/A	0.736	5491831	0.937		5491831
Langelier Index (@ 4C)	N/A	0.487	5491832	0.688		5491832
Saturation pH (@ 20C)	N/A	7.26	5491831	6.98		5491831
Saturation pH (@ 4C)	N/A	7.51	5491832	7.22		5491832
Inorganics						
Total Ammonia-N	mg/L	<0.050	5498300	<0.050	0.050	5498300
Conductivity	umho/cm	530	5493715	630	1.0	5494467
Dissolved Organic Carbon	mg/L	0.63	5494457	1.0	0.50	5494457
Orthophosphate (P)	mg/L	<0.010	5494221	<0.010	0.010	5494221
pH	pH	8.00	5493718	7.91		5494464
Dissolved Sulphate (SO4)	mg/L	51	5494218	19	1.0	5494218
Alkalinity (Total as CaCO3)	mg/L	210	5493711	280	1.0	5494460
Dissolved Chloride (Cl)	mg/L	13	5494214	14	1.0	5494214
Nitrite (N)	mg/L	<0.010	5493992	<0.010	0.010	5493992
Nitrate (N)	mg/L	<0.10	5493992	7.70	0.10	5493992
Metals						
. Aluminum (Al)	mg/L	<0.0050	5493504	<0.0050	0.0050	5493504
. Antimony (Sb)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Arsenic (As)	mg/L	<0.0010	5493504	<0.0010	0.0010	5493504
. Barium (Ba)	mg/L	0.079	5493504	0.039	0.0020	5493504
. Beryllium (Be)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Boron (B)	mg/L	<0.010	5493504	<0.010	0.010	5493504
. Cadmium (Cd)	mg/L	<0.00010	5493504	<0.00010	0.00010	5493504

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

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RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML887		GML888		
Sampling Date		2018/04/18 09:31		2018/04/18 10:14		
COC Number		657879-01-01		657879-01-01		
	UNITS	**WG-160900764-20180418-JK8**	**QC Batch**	**WG-160900764-20180418-JK9**	**RDL**	**QC Batch**
. Calcium (Ca)	mg/L	69	5493504	100	0.20	5493504
. Chromium (Cr)	mg/L	<0.0050	5493504	<0.0050	0.0050	5493504
. Cobalt (Co)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Copper (Cu)	mg/L	<0.0010	5493504	0.0062	0.0010	5493504
. Iron (Fe)	mg/L	2.1	5493504	<0.10	0.10	5493504
. Lead (Pb)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Magnesium (Mg)	mg/L	20	5493504	11	0.050	5493504
. Manganese (Mn)	mg/L	0.043	5493504	<0.0020	0.0020	5493504
. Molybdenum (Mo)	mg/L	0.00091	5493504	<0.00050	0.00050	5493504
. Nickel (Ni)	mg/L	<0.0010	5493504	<0.0010	0.0010	5493504
. Phosphorus (P)	mg/L	<0.10	5493504	<0.10	0.10	5493504
. Potassium (K)	mg/L	1.1	5493504	0.79	0.20	5493504
. Selenium (Se)	mg/L	<0.0020	5493504	<0.0020	0.0020	5493504
. Silicon (Si)	mg/L	4.5	5493504	5.4	0.050	5493504
. Silver (Ag)	mg/L	<0.00010	5493504	<0.00010	0.00010	5493504
. Sodium (Na)	mg/L	4.7	5493504	4.5	0.10	5493504
. Strontium (Sr)	mg/L	0.22	5493504	0.19	0.0010	5493504
. Thallium (Tl)	mg/L	<0.000050	5493504	<0.000050	0.000050	5493504
. Titanium (Ti)	mg/L	<0.0050	5493504	<0.0050	0.0050	5493504
. Uranium (U)	mg/L	<0.00010	5493504	0.00047	0.00010	5493504
. Vanadium (V)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Zinc (Zn)	mg/L	<0.0050	5493504	0.012	0.0050	5493504
. Zirconium (Zr)	mg/L	<0.0010	5493504	<0.0010	0.0010	5493504

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RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML889			GML889		
Sampling Date		2018/04/18 10:50			2018/04/18 10:50		
COC Number		657879-01-01			657879-01-01		
	UNITS	**WG-160900764-20180418-JK10**	**RDL**	**QC Batch**	**WG-160900764-20180418-JK10 Lab-Dup**	**RDL**	**QC Batch**
Calculated Parameters							
Anion Sum	me/L	3.40	N/A	5491830			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	160	1.0	5491719			
Calculated TDS	mg/L	180	1.0	5491698			
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.7	1.0	5491719			
Cation Sum	me/L	3.20	N/A	5491830			
Hardness (CaCO3)	mg/L	130	1.0	5491994			
Ion Balance (% Difference)	%	3.10	N/A	5492113			
Langelier Index (@ 20C)	N/A	0.341		5491831			
Langelier Index (@ 4C)	N/A	0.0910		5491832			
Saturation pH (@ 20C)	N/A	7.72		5491831			
Saturation pH (@ 4C)	N/A	7.97		5491832			
Inorganics							
Total Ammonia-N	mg/L	0.16	0.050	5498300			
Conductivity	umho/cm	300	1.0	5493715			
Dissolved Organic Carbon	mg/L	0.67	0.50	5494457	0.65	0.50	5494457
Orthophosphate (P)	mg/L	<0.010	0.010	5494221			
pH	pH	8.06		5493718			
Dissolved Sulphate (SO4)	mg/L	9.9	1.0	5494218			
Alkalinity (Total as CaCO3)	mg/L	160	1.0	5493711			
Dissolved Chloride (Cl)	mg/L	<1.0	1.0	5494214			
Nitrite (N)	mg/L	<0.010	0.010	5493992			
Nitrate (N)	mg/L	<0.10	0.10	5493992			
Metals							
. Aluminum (Al)	mg/L	<0.0050	0.0050	5493504			
. Antimony (Sb)	mg/L	<0.00050	0.00050	5493504			
. Arsenic (As)	mg/L	0.0017	0.0010	5493504			
. Barium (Ba)	mg/L	0.11	0.0020	5493504			
. Beryllium (Be)	mg/L	<0.00050	0.00050	5493504			
. Boron (B)	mg/L	0.041	0.010	5493504			

RDL = Reportable Detection Limit
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RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML889			GML889		
Sampling Date		2018/04/18 10:50			2018/04/18 10:50		
COC Number		657879-01-01			657879-01-01		
	UNITS	**WG-160900764-20180418-JK10**	**RDL**	**QC Batch**	**WG-160900764-20180418-JK10 Lab-Dup**	**RDL**	**QC Batch**
. Cadmium (Cd)	mg/L	<0.00010	0.00010	5493504			
. Calcium (Ca)	mg/L	28	0.20	5493504			
. Chromium (Cr)	mg/L	<0.0050	0.0050	5493504			
. Cobalt (Co)	mg/L	<0.00050	0.00050	5493504			
. Copper (Cu)	mg/L	<0.0010	0.0010	5493504			
. Iron (Fe)	mg/L	0.44	0.10	5493504			
. Lead (Pb)	mg/L	<0.00050	0.00050	5493504			
. Magnesium (Mg)	mg/L	14	0.050	5493504			
. Manganese (Mn)	mg/L	0.021	0.0020	5493504			
. Molybdenum (Mo)	mg/L	0.0011	0.00050	5493504			
. Nickel (Ni)	mg/L	<0.0010	0.0010	5493504			
. Phosphorus (P)	mg/L	<0.10	0.10	5493504			
. Potassium (K)	mg/L	0.81	0.20	5493504			
. Selenium (Se)	mg/L	<0.0020	0.0020	5493504			
. Silicon (Si)	mg/L	9.8	0.050	5493504			
. Silver (Ag)	mg/L	<0.00010	0.00010	5493504			
. Sodium (Na)	mg/L	13	0.10	5493504			
. Strontium (Sr)	mg/L	0.29	0.0010	5493504			
. Thallium (Tl)	mg/L	<0.000050	0.000050	5493504			
. Titanium (Ti)	mg/L	<0.0050	0.0050	5493504			
. Uranium (U)	mg/L	<0.00010	0.00010	5493504			
. Vanadium (V)	mg/L	<0.00050	0.00050	5493504			
. Zinc (Zn)	mg/L	<0.0050	0.0050	5493504			
. Zirconium (Zr)	mg/L	<0.0010	0.0010	5493504			

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Sampler Initials: JK

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML890			GML890		
Sampling Date		2018/04/18 11:29			2018/04/18 11:29		
COC Number		657879-01-01			657879-01-01		
	UNITS	**WG-160900764-20180418-JK11**	**RDL**	**QC Batch**	**WG-160900764-20180418-JK11 Lab-Dup**	**RDL**	**QC Batch**
Calculated Parameters							
Anion Sum	me/L	4.10	N/A	5491830			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	190	1.0	5491719			
Calculated TDS	mg/L	220	1.0	5491698			
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.8	1.0	5491719			
Cation Sum	me/L	3.83	N/A	5491830			
Hardness (CaCO3)	mg/L	170	1.0	5491994			
Ion Balance (% Difference)	%	3.32	N/A	5492113			
Langelier Index (@ 20C)	N/A	0.544		5491831			
Langelier Index (@ 4C)	N/A	0.294		5491832			
Saturation pH (@ 20C)	N/A	7.47		5491831			
Saturation pH (@ 4C)	N/A	7.72		5491832			
Inorganics							
Total Ammonia-N	mg/L	0.15	0.050	5498300			
Conductivity	umho/cm	360	1.0	5493715	360	1.0	5493715
Dissolved Organic Carbon	mg/L	0.75	0.50	5494457			
Orthophosphate (P)	mg/L	<0.010	0.010	5494221			
pH	pH	8.01		5493718	7.99		5493718
Dissolved Sulphate (SO4)	mg/L	12	1.0	5494218			
Alkalinity (Total as CaCO3)	mg/L	190	1.0	5493711	190	1.0	5493711
Dissolved Chloride (Cl)	mg/L	1.8	1.0	5494214			
Nitrite (N)	mg/L	<0.010	0.010	5493992			
Nitrate (N)	mg/L	<0.10	0.10	5493992			
Metals							
. Aluminum (Al)	mg/L	<0.0050	0.0050	5493504			
. Antimony (Sb)	mg/L	<0.00050	0.00050	5493504			
. Arsenic (As)	mg/L	<0.0010	0.0010	5493504			
. Barium (Ba)	mg/L	0.16	0.0020	5493504			
. Beryllium (Be)	mg/L	<0.00050	0.00050	5493504			
. Boron (B)	mg/L	0.020	0.010	5493504			

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

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML890			GML890		
Sampling Date		2018/04/18 11:29			2018/04/18 11:29		
COC Number		657879-01-01			657879-01-01		
	UNITS	**WG-160900764-20180418-JK11**	**RDL**	**QC Batch**	**WG-160900764-20180418-JK11 Lab-Dup**	**RDL**	**QC Batch**
. Cadmium (Cd)	mg/L	<0.00010	0.00010	5493504			
. Calcium (Ca)	mg/L	44	0.20	5493504			
. Chromium (Cr)	mg/L	<0.0050	0.0050	5493504			
. Cobalt (Co)	mg/L	<0.00050	0.00050	5493504			
. Copper (Cu)	mg/L	0.014	0.0010	5493504			
. Iron (Fe)	mg/L	1.5	0.10	5493504			
. Lead (Pb)	mg/L	0.00097	0.00050	5493504			
. Magnesium (Mg)	mg/L	15	0.050	5493504			
. Manganese (Mn)	mg/L	0.024	0.0020	5493504			
. Molybdenum (Mo)	mg/L	0.00072	0.00050	5493504			
. Nickel (Ni)	mg/L	0.0010	0.0010	5493504			
. Phosphorus (P)	mg/L	<0.10	0.10	5493504			
. Potassium (K)	mg/L	0.98	0.20	5493504			
. Selenium (Se)	mg/L	<0.0020	0.0020	5493504			
. Silicon (Si)	mg/L	11	0.050	5493504			
. Silver (Ag)	mg/L	<0.00010	0.00010	5493504			
. Sodium (Na)	mg/L	6.8	0.10	5493504			
. Strontium (Sr)	mg/L	0.24	0.0010	5493504			
. Thallium (Tl)	mg/L	<0.000050	0.000050	5493504			
. Titanium (Ti)	mg/L	<0.0050	0.0050	5493504			
. Uranium (U)	mg/L	<0.00010	0.00010	5493504			
. Vanadium (V)	mg/L	<0.00050	0.00050	5493504			
. Zinc (Zn)	mg/L	0.027	0.0050	5493504			
. Zirconium (Zr)	mg/L	<0.0010	0.0010	5493504			

RDL = Reportable Detection Limit
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Maxxam Job #: B888862
Report Date: 2018/04/26

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML892		GML893		
Sampling Date		2018/04/18 12:20		2018/04/18 13:10		
COC Number		657879-01-01		657879-01-01		
	UNITS	**WG-160900764-20180418-JK12**	**RDL**	**WG-160900764-20180418-JK13**	**RDL**	**QC Batch**
Calculated Parameters						
Anion Sum	me/L	8.69	N/A	15.7	N/A	5491830
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	360	1.0	450	1.0	5491719
Calculated TDS	mg/L	490	1.0	850	1.0	5491698
Carb. Alkalinity (calc. as CaCO3)	mg/L	1.8	1.0	1.5	1.0	5491719
Cation Sum	me/L	8.11	N/A	15.7	N/A	5491830
Hardness (CaCO3)	mg/L	8.0	1.0	590	1.0	5491994
Ion Balance (% Difference)	%	3.43	N/A	0.0100	N/A	5492113
Langelier Index (@ 20C)	N/A	-0.758		0.987		5491831
Langelier Index (@ 4C)	N/A	-1.01		0.741		5491832
Saturation pH (@ 20C)	N/A	8.50		6.57		5491831
Saturation pH (@ 4C)	N/A	8.75		6.81		5491832
Inorganics						
Total Ammonia-N	mg/L	<0.050	0.050	<0.050	0.050	5498300
Conductivity	umho/cm	800	1.0	1500	1.0	5493715
Dissolved Organic Carbon	mg/L	1.1	0.50	2.1	0.50	5494457
Orthophosphate (P)	mg/L	0.011	0.010	<0.010	0.010	5494221
pH	pH	7.74		7.55		5493718
Dissolved Sulphate (SO4)	mg/L	21	1.0	84	1.0	5494218
Alkalinity (Total as CaCO3)	mg/L	360	1.0	450	1.0	5493711
Dissolved Chloride (Cl)	mg/L	22	1.0	170	2.0	5494214
Nitrite (N)	mg/L	<0.010	0.010	<0.010	0.010	5493992
Nitrate (N)	mg/L	6.83	0.10	1.43	0.10	5493992
Metals						
. Aluminum (Al)	mg/L	<0.0050	0.0050	<0.0050	0.0050	5493504
. Antimony (Sb)	mg/L	<0.00050	0.00050	<0.00050	0.00050	5493504
. Arsenic (As)	mg/L	<0.0010	0.0010	<0.0010	0.0010	5493504
. Barium (Ba)	mg/L	<0.0020	0.0020	0.10	0.0020	5493504
. Beryllium (Be)	mg/L	<0.00050	0.00050	<0.00050	0.00050	5493504
. Boron (B)	mg/L	0.011	0.010	0.018	0.010	5493504
. Cadmium (Cd)	mg/L	<0.00010	0.00010	<0.00010	0.00010	5493504

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

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML892		GML893		
Sampling Date		2018/04/18 12:20		2018/04/18 13:10		
COC Number		657879-01-01		657879-01-01		
	UNITS	**WG-160900764-20180418-JK12**	**RDL**	**WG-160900764-20180418-JK13**	**RDL**	**QC Batch**
. Calcium (Ca)	mg/L	2.6	0.20	200	0.20	5493504
. Chromium (Cr)	mg/L	<0.0050	0.0050	<0.0050	0.0050	5493504
. Cobalt (Co)	mg/L	<0.00050	0.00050	<0.00050	0.00050	5493504
. Copper (Cu)	mg/L	0.011	0.0010	0.0075	0.0010	5493504
. Iron (Fe)	mg/L	<0.10	0.10	<0.10	0.10	5493504
. Lead (Pb)	mg/L	<0.00050	0.00050	0.00067	0.00050	5493504
. Magnesium (Mg)	mg/L	0.38	0.050	20	0.050	5493504
. Manganese (Mn)	mg/L	<0.0020	0.0020	0.0065	0.0020	5493504
. Molybdenum (Mo)	mg/L	<0.00050	0.00050	<0.00050	0.00050	5493504
. Nickel (Ni)	mg/L	<0.0010	0.0010	<0.0010	0.0010	5493504
. Phosphorus (P)	mg/L	<0.10	0.10	<0.10	0.10	5493504
. Potassium (K)	mg/L	<0.20	0.20	1.1	0.20	5493504
. Selenium (Se)	mg/L	<0.0020	0.0020	<0.0020	0.0020	5493504
. Silicon (Si)	mg/L	7.9	0.050	4.0	0.050	5493504
. Silver (Ag)	mg/L	<0.00010	0.00010	<0.00010	0.00010	5493504
. Sodium (Na)	mg/L	180	0.10	88	0.10	5493504
. Strontium (Sr)	mg/L	0.0056	0.0010	0.36	0.0010	5493504
. Thallium (Tl)	mg/L	<0.000050	0.000050	<0.000050	0.000050	5493504
. Titanium (Ti)	mg/L	<0.0050	0.0050	<0.0050	0.0050	5493504
. Uranium (U)	mg/L	0.00041	0.00010	0.00091	0.00010	5493504
. Vanadium (V)	mg/L	<0.00050	0.00050	<0.00050	0.00050	5493504
. Zinc (Zn)	mg/L	0.0089	0.0050	<0.0050	0.0050	5493504
. Zirconium (Zr)	mg/L	<0.0010	0.0010	<0.0010	0.0010	5493504

RDL = Reportable Detection Limit
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Maxxam Job #: B888862
Report Date: 2018/04/26

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML894		GML895		
Sampling Date		2018/04/18 13:57		2018/04/18 15:10		
COC Number		657879-01-01		657879-01-01		
	UNITS	**WG-160900764-20180418-JK14**	**QC Batch**	**WG-160900764-20180418-JK15**	**RDL**	**QC Batch**
Calculated Parameters						
Anion Sum	me/L	7.01	5491830	5.97	N/A	5491830
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	310	5491719	220	1.0	5491719
Calculated TDS	mg/L	380	5491698	320	1.0	5491698
Carb. Alkalinity (calc. as CaCO3)	mg/L	2.7	5491719	1.7	1.0	5491719
Cation Sum	me/L	6.69	5491830	5.76	N/A	5491830
Hardness (CaCO3)	mg/L	11	5491994	270	1.0	5491994
Ion Balance (% Difference)	%	2.36	5492113	1.80	N/A	5492113
Langelier Index (@ 20C)	N/A	-0.390	5491831	0.715		5491831
Langelier Index (@ 4C)	N/A	-0.639	5491832	0.466		5491832
Saturation pH (@ 20C)	N/A	8.35	5491831	7.20		5491831
Saturation pH (@ 4C)	N/A	8.59	5491832	7.45		5491832
Inorganics						
Total Ammonia-N	mg/L	<0.050	5498300	<0.050	0.050	5498300
Conductivity	umho/cm	650	5493715	560	1.0	5493715
Dissolved Organic Carbon	mg/L	1.8	5494392	0.79	0.50	5494457
Orthophosphate (P)	mg/L	<0.010	5494221	<0.010	0.010	5494221
pH	pH	7.96	5493718	7.92		5493718
Dissolved Sulphate (SO4)	mg/L	13	5494218	54	1.0	5494218
Alkalinity (Total as CaCO3)	mg/L	320	5493711	220	1.0	5493711
Dissolved Chloride (Cl)	mg/L	10	5494214	15	1.0	5494214
Nitrite (N)	mg/L	<0.010	5493992	<0.010	0.010	5493992
Nitrate (N)	mg/L	1.68	5493992	<0.10	0.10	5493992
Metals						
. Aluminum (Al)	mg/L	<0.0050	5493504	<0.0050	0.0050	5493504
. Antimony (Sb)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Arsenic (As)	mg/L	<0.0010	5493504	<0.0010	0.0010	5493504
. Barium (Ba)	mg/L	<0.0020	5493504	0.042	0.0020	5493504
. Beryllium (Be)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Boron (B)	mg/L	<0.010	5493504	<0.010	0.010	5493504
. Cadmium (Cd)	mg/L	<0.00010	5493504	<0.00010	0.00010	5493504

RDL = Reportable Detection Limit
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N/A = Not Applicable

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML894		GML895		
Sampling Date		2018/04/18 13:57		2018/04/18 15:10		
COC Number		657879-01-01		657879-01-01		
	UNITS	**WG-160900764-20180418-JK14**	**QC Batch**	**WG-160900764-20180418-JK15**	**RDL**	**QC Batch**
. Calcium (Ca)	mg/L	3.9	5493504	76	0.20	5493504
. Chromium (Cr)	mg/L	<0.0050	5493504	<0.0050	0.0050	5493504
. Cobalt (Co)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Copper (Cu)	mg/L	0.021	5493504	<0.0010	0.0010	5493504
. Iron (Fe)	mg/L	<0.10	5493504	1.9	0.10	5493504
. Lead (Pb)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Magnesium (Mg)	mg/L	0.26	5493504	21	0.050	5493504
. Manganese (Mn)	mg/L	<0.0020	5493504	0.026	0.0020	5493504
. Molybdenum (Mo)	mg/L	<0.00050	5493504	0.0031	0.00050	5493504
. Nickel (Ni)	mg/L	<0.0010	5493504	<0.0010	0.0010	5493504
. Phosphorus (P)	mg/L	<0.10	5493504	<0.10	0.10	5493504
. Potassium (K)	mg/L	<0.20	5493504	1.1	0.20	5493504
. Selenium (Se)	mg/L	<0.0020	5493504	<0.0020	0.0020	5493504
. Silicon (Si)	mg/L	3.5	5493504	5.2	0.050	5493504
. Silver (Ag)	mg/L	<0.00010	5493504	<0.00010	0.00010	5493504
. Sodium (Na)	mg/L	150	5493504	4.1	0.10	5493504
. Strontium (Sr)	mg/L	0.0066	5493504	0.26	0.0010	5493504
. Thallium (Tl)	mg/L	<0.000050	5493504	<0.000050	0.000050	5493504
. Titanium (Ti)	mg/L	<0.0050	5493504	<0.0050	0.0050	5493504
. Uranium (U)	mg/L	0.00076	5493504	0.00063	0.00010	5493504
. Vanadium (V)	mg/L	<0.00050	5493504	<0.00050	0.00050	5493504
. Zinc (Zn)	mg/L	<0.0050	5493504	<0.0050	0.0050	5493504
. Zirconium (Zr)	mg/L	<0.0010	5493504	<0.0010	0.0010	5493504

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML896		
Sampling Date		2018/04/18 15:58		
COC Number		657879-01-01		
	UNITS	**WG-160900764-20180418-JK16**	**RDL**	**QC Batch**
Calculated Parameters				
Anion Sum	me/L	10.4	N/A	5491830
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	360	1.0	5492285
Calculated TDS	mg/L	540	1.0	5491698
Carb. Alkalinity (calc. as CaCO3)	mg/L	2.1	1.0	5492285
Cation Sum	me/L	9.52	N/A	5491830
Hardness (CaCO3)	mg/L	380	1.0	5492286
Ion Balance (% Difference)	%	4.57	N/A	5492113
Langelier Index (@ 20C)	N/A	0.952		5491831
Langelier Index (@ 4C)	N/A	0.704		5491832
Saturation pH (@ 20C)	N/A	6.84		5491831
Saturation pH (@ 4C)	N/A	7.09		5491832
Inorganics				
Total Ammonia-N	mg/L	<0.050	0.050	5498300
Conductivity	umho/cm	960	1.0	5493715
Dissolved Organic Carbon	mg/L	1.6	0.50	5494457
Orthophosphate (P)	mg/L	<0.010	0.010	5494221
pH	pH	7.79		5493718
Dissolved Sulphate (SO4)	mg/L	28	1.0	5494218
Alkalinity (Total as CaCO3)	mg/L	360	1.0	5493711
Dissolved Chloride (Cl)	mg/L	87	1.0	5494214
Nitrite (N)	mg/L	<0.010	0.010	5493992
Nitrate (N)	mg/L	1.95	0.10	5493992
Metals				
. Aluminum (Al)	mg/L	<0.0050	0.0050	5493504
. Antimony (Sb)	mg/L	<0.00050	0.00050	5493504
. Arsenic (As)	mg/L	<0.0010	0.0010	5493504
. Barium (Ba)	mg/L	0.067	0.0020	5493504
. Beryllium (Be)	mg/L	<0.00050	0.00050	5493504
. Boron (B)	mg/L	0.016	0.010	5493504
. Cadmium (Cd)	mg/L	<0.00010	0.00010	5493504

RDL = Reportable Detection Limit
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N/A = Not Applicable

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

RCAP - COMPREHENSIVE (DRINKING WATER)

Maxxam ID		GML896		
Sampling Date		2018/04/18 15:58		
COC Number		657879-01-01		
	UNITS	**WG-160900764-20180418-JK16**	**RDL**	**QC Batch**
. Calcium (Ca)	mg/L	120	0.20	5493504
. Chromium (Cr)	mg/L	<0.0050	0.0050	5493504
. Cobalt (Co)	mg/L	<0.00050	0.00050	5493504
. Copper (Cu)	mg/L	0.0078	0.0010	5493504
. Iron (Fe)	mg/L	<0.10	0.10	5493504
. Lead (Pb)	mg/L	<0.00050	0.00050	5493504
. Magnesium (Mg)	mg/L	20	0.050	5493504
. Manganese (Mn)	mg/L	<0.0020	0.0020	5493504
. Molybdenum (Mo)	mg/L	<0.00050	0.00050	5493504
. Nickel (Ni)	mg/L	<0.0010	0.0010	5493504
. Phosphorus (P)	mg/L	<0.10	0.10	5493504
. Potassium (K)	mg/L	1.4	0.20	5493504
. Selenium (Se)	mg/L	<0.0020	0.0020	5493504
. Silicon (Si)	mg/L	5.5	0.050	5493504
. Silver (Ag)	mg/L	<0.00010	0.00010	5493504
. Sodium (Na)	mg/L	44	0.10	5493504
. Strontium (Sr)	mg/L	0.29	0.0010	5493504
. Thallium (Tl)	mg/L	<0.000050	0.000050	5493504
. Titanium (Ti)	mg/L	<0.0050	0.0050	5493504
. Uranium (U)	mg/L	0.00093	0.00010	5493504
. Vanadium (V)	mg/L	<0.00050	0.00050	5493504
. Zinc (Zn)	mg/L	0.010	0.0050	5493504
. Zirconium (Zr)	mg/L	<0.0010	0.0010	5493504

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Report Date: 2018/04/26

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RESULTS OF ANALYSES OF WATER

Maxxam ID		GML887		GML888		GML889		
Sampling Date		2018/04/18 09:31		2018/04/18 10:14		2018/04/18 10:50		
COC Number		657879-01-01		657879-01-01		657879-01-01		
	UNITS	**WG-160900764-20180418-JK8**	**QC Batch**	**WG-160900764-20180418-JK9**	**QC Batch**	**WG-160900764-20180418-JK10**	**RDL**	**QC Batch**
Inorganics								
Acidity	mg/L	7.0	5500182	15	5500182	<5.0	5.0	5500182
Total Dissolved Solids	mg/L	315	5494138	335	5494138	175	10	5494138
Fluoride (F-)	mg/L	<0.10	5493717	<0.10	5494478	0.26	0.10	5493717
Total Organic Carbon (TOC)	mg/L	0.63	5496867	1.0	5496867	0.67	0.50	5496867
Total Suspended Solids	mg/L	<10	5494131	<10	5494131	<10	10	5494131
Turbidity	NTU	20	5493709	<0.1	5493985	1.3	0.1	5493709
WAD Cyanide (Free)	ug/L	<1	5496427	<1	5496427	<1	1	5496427

RDL = Reportable Detection Limit
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Maxxam ID		GML889			GML890		
Sampling Date		2018/04/18 10:50			2018/04/18 11:29		
COC Number		657879-01-01			657879-01-01		
	UNITS	**WG-160900764-20180418-JK10 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20180418-JK11**	**RDL**	**QC Batch**
Inorganics							
Acidity	mg/L				<5.0	5.0	5500182
Total Dissolved Solids	mg/L				230	10	5494138
Fluoride (F-)	mg/L				0.16	0.10	5493717
Total Organic Carbon (TOC)	mg/L				0.76	0.50	5496867
Total Suspended Solids	mg/L	<10	10	5494131	<10	10	5494131
Turbidity	NTU				10	0.1	5493709
WAD Cyanide (Free)	ug/L				<1	1	5496427

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

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

RESULTS OF ANALYSES OF WATER

Maxxam ID		GML890			GML892	GML893		
Sampling Date		2018/04/18 11:29			2018/04/18 12:20	2018/04/18 13:10		
COC Number		657879-01-01			657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK11 Lab-Dup**	**RDL**	**QC Batch**	**WG-160900764-20180418-JK12**	**WG-160900764-20180418-JK13**	**RDL**	**QC Batch**
Inorganics								
Acidity	mg/L				31	84	5.0	5500182
Total Dissolved Solids	mg/L				480	850	10	5494138
Fluoride (F-)	mg/L	0.16	0.10	5493717	<0.10	<0.10	0.10	5493717
Total Organic Carbon (TOC)	mg/L				1.1	2.1	0.50	5496867
Total Suspended Solids	mg/L				<10	<10	10	5494131
Turbidity	NTU				<0.1	<0.1	0.1	5493709
WAD Cyanide (Free)	ug/L				<1	<1	1	5496427

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

Maxxam ID		GML894		GML895		GML896		
Sampling Date		2018/04/18 13:57		2018/04/18 15:10		2018/04/18 15:58		
COC Number		657879-01-01		657879-01-01		657879-01-01		
	UNITS	**WG-160900764-20180418-JK14**	**QC Batch**	**WG-160900764-20180418-JK15**	**QC Batch**	**WG-160900764-20180418-JK16**	**RDL**	**QC Batch**
Inorganics								
Acidity	mg/L	11	5500182	9.8	5500182	33	5.0	5500182
Total Dissolved Solids	mg/L	365	5494138	315	5497155	520	10	5494138
Fluoride (F-)	mg/L	<0.10	5493717	<0.10	5493717	<0.10	0.10	5493717
Total Organic Carbon (TOC)	mg/L	1.8	5496867	0.81	5496867	1.6	0.50	5496867
Total Suspended Solids	mg/L	<10	5494131	29	5497144	<10	10	5494131
Turbidity	NTU	0.1	5493709	21	5493709	<0.1	0.1	5493709
WAD Cyanide (Free)	ug/L	<1	5496427	<1	5496427	<1	1	5496427

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2018/04/26

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Site Location: CLARINGTON TS - PRIVATE WELL
Sampler Initials: JK

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		GML887		GML888		GML889		
Sampling Date		2018/04/18 09:31		2018/04/18 10:14		2018/04/18 10:50		
COC Number		657879-01-01		657879-01-01		657879-01-01		
	UNITS	**WG-160900764-20180418-JK8**	**QC Batch**	**WG-160900764-20180418-JK9**	**QC Batch**	**WG-160900764-20180418-JK10**	**RDL**	**QC Batch**
Metals								
Chromium (VI)	ug/L	<0.50	5494952	0.65	5494952	<0.50	0.50	5494952
Mercury (Hg)	ug/L	<0.1	5496361	<0.1	5497806	<0.1	0.1	5496361

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		GML890	GML890	GML892	GML893		
Sampling Date		2018/04/18 11:29	2018/04/18 11:29	2018/04/18 12:20	2018/04/18 13:10		
COC Number		657879-01-01	657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK11**	**WG-160900764-20180418-JK11 Lab-Dup**	**WG-160900764-20180418-JK12**	**WG-160900764-20180418-JK13**	**RDL**	**QC Batch**
Metals							
Chromium (VI)	ug/L	<0.50	<0.50	1.0	<0.50	0.50	5494952
Mercury (Hg)	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5496361

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

Maxxam ID		GML894	GML895	GML896		
Sampling Date		2018/04/18 13:57	2018/04/18 15:10	2018/04/18 15:58		
COC Number		657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK14**	**WG-160900764-20180418-JK15**	**WG-160900764-20180418-JK16**	**RDL**	**QC Batch**
Metals						
Chromium (VI)	ug/L	<0.50	<0.50	<0.50	0.50	5494952
Mercury (Hg)	ug/L	<0.1	<0.1	<0.1	0.1	5496361

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2018/04/26

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

MICROBIOLOGY (WATER)

Maxxam ID		GML887	GML888	GML889	GML890	
Sampling Date		2018/04/18 09:31	2018/04/18 10:14	2018/04/18 10:50	2018/04/18 11:29	
COC Number		657879-01-01	657879-01-01	657879-01-01	657879-01-01	
	UNITS	**WG-160900764-20180418-JK8**	**WG-160900764-20180418-JK9**	**WG-160900764-20180418-JK10**	**WG-160900764-20180418-JK11**	**QC Batch**
Microbiological						
Background	CFU/100mL	0	11	0	0	5492663
Total Coliforms	CFU/100mL	0	39	0	0	5492663
Escherichia coli	CFU/100mL	0	0	0	0	5492663
QC Batch = Quality Control Batch						

Maxxam ID		GML892	GML893	GML894	GML895	
Sampling Date		2018/04/18 12:20	2018/04/18 13:10	2018/04/18 13:57	2018/04/18 15:10	
COC Number		657879-01-01	657879-01-01	657879-01-01	657879-01-01	
	UNITS	**WG-160900764-20180418-JK12**	**WG-160900764-20180418-JK13**	**WG-160900764-20180418-JK14**	**WG-160900764-20180418-JK15**	**QC Batch**
Microbiological						
Background	CFU/100mL	0	10	130	0	5492663
Total Coliforms	CFU/100mL	0	5	10	0	5492663
Escherichia coli	CFU/100mL	0	0	0	0	5492663
QC Batch = Quality Control Batch						

Maxxam ID		GML896	
Sampling Date		2018/04/18 15:58	
COC Number		657879-01-01	
	UNITS	**WG-160900764-20180418-JK16**	**QC Batch**
Microbiological			
Background	CFU/100mL	69	5492663
Total Coliforms	CFU/100mL	12	5492663
Escherichia coli	CFU/100mL	0	5492663
QC Batch = Quality Control Batch			

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O.REG 153 PCBS (WATER)

Maxxam ID		GML887	GML888	GML889	GML890		
Sampling Date		2018/04/18 09:31	2018/04/18 10:14	2018/04/18 10:50	2018/04/18 11:29		
COC Number		657879-01-01	657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK8**	**WG-160900764-20180418-JK9**	**WG-160900764-20180418-JK10**	**WG-160900764-20180418-JK11**	**RDL**	**QC Batch**
PCBs							
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Total PCB	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Surrogate Recovery (%)							
Decachlorobiphenyl	%	111	119	107	101		5495478

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		GML892	GML893	GML893	GML894		
Sampling Date		2018/04/18 12:20	2018/04/18 13:10	2018/04/18 13:10	2018/04/18 13:57		
COC Number		657879-01-01	657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK12**	**WG-160900764-20180418-JK13**	**WG-160900764-20180418-JK13 Lab-Dup**	**WG-160900764-20180418-JK14**	**RDL**	**QC Batch**
PCBs							
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Total PCB	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5495478
Surrogate Recovery (%)							
Decachlorobiphenyl	%	110	124	103	117		5495478

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

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Stantec Consulting Ltd
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O.REG 153 PCBS (WATER)

Maxxam ID		GML895	GML896		
Sampling Date		2018/04/18 15:10	2018/04/18 15:58		
COC Number		657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK15**	**WG-160900764-20180418-JK16**	**RDL**	**QC Batch**
PCBs					
Aroclor 1242	ug/L	<0.05	<0.05	0.05	5495478
Aroclor 1248	ug/L	<0.05	<0.05	0.05	5495478
Aroclor 1254	ug/L	<0.05	<0.05	0.05	5495478
Aroclor 1260	ug/L	<0.05	<0.05	0.05	5495478
Total PCB	ug/L	<0.05	<0.05	0.05	5495478
Surrogate Recovery (%)					
Decachlorobiphenyl	%	113	112		5495478

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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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		GML887	GML888			GML888		
Sampling Date		2018/04/18 09:31	2018/04/18 10:14			2018/04/18 10:14		
COC Number		657879-01-01	657879-01-01			657879-01-01		
	UNITS	**WG-160900764-20180418-JK8**	**WG-160900764-20180418-JK9**	**RDL**	**QC Batch**	**WG-160900764-20180418-JK9 Lab-Dup**	**RDL**	**QC Batch**
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	0.50	5492263			
Volatile Organics								
Acetone (2-Propanone)	ug/L	<10	<10	10	5493500	<10	10	5493500
Benzene	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
Bromodichloromethane	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
Bromoform	ug/L	<1.0	<1.0	1.0	5493500	<1.0	1.0	5493500
Bromomethane	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
Carbon Tetrachloride	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
Chlorobenzene	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
Chloroform	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
Dibromochloromethane	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	1.0	5493500	<1.0	1.0	5493500
1,1-Dichloroethane	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
1,2-Dichloroethane	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
1,1-Dichloroethylene	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
1,2-Dichloropropane	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	0.30	5493500	<0.30	0.30	5493500
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	0.40	5493500	<0.40	0.40	5493500
Ethylbenzene	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
Ethylene Dibromide	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
Hexane	ug/L	<1.0	<1.0	1.0	5493500	<1.0	1.0	5493500
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	2.0	5493500	<2.0	2.0	5493500
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	10	5493500	<10	10	5493500
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	5.0	5493500	<5.0	5.0	5493500
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500

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

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Site Location: CLARINGTON TS - PRIVATE WELL
Sampler Initials: JK

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

Maxxam ID		GML887	GML888			GML888		
Sampling Date		2018/04/18 09:31	2018/04/18 10:14			2018/04/18 10:14		
COC Number		657879-01-01	657879-01-01			657879-01-01		
	UNITS	**WG-160900764-20180418-JK8**	**WG-160900764-20180418-JK9**	**RDL**	**QC Batch**	**WG-160900764-20180418-JK9 Lab-Dup**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
Tetrachloroethylene	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
Toluene	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
Trichloroethylene	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	0.50	5493500	<0.50	0.50	5493500
Vinyl Chloride	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
p+m-Xylene	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
o-Xylene	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
Total Xylenes	ug/L	<0.20	<0.20	0.20	5493500	<0.20	0.20	5493500
F1 (C6-C10)	ug/L	<25	<25	25	5493500	<25	25	5493500
F1 (C6-C10) - BTEX	ug/L	<25	<25	25	5493500	<25	25	5493500
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	100	5498642	<100	100	5498642
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	200	5498642	<200	200	5498642
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	200	5498642	<200	200	5498642
Reached Baseline at C50	ug/L	Yes	Yes		5498642	Yes		5498642
Surrogate Recovery (%)								
o-Terphenyl	%	104	103		5498642	106		5498642
4-Bromofluorobenzene	%	92	91		5493500	91		5493500
D4-1,2-Dichloroethane	%	105	103		5493500	103		5493500
D8-Toluene	%	98	98		5493500	97		5493500

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

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Sampler Initials: JK

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

Maxxam ID		GML889	GML890	GML892		
Sampling Date		2018/04/18 10:50	2018/04/18 11:29	2018/04/18 12:20		
COC Number		657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK10**	**WG-160900764-20180418-JK11**	**WG-160900764-20180418-JK12**	**RDL**	**QC Batch**
Calculated Parameters						
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	<0.50	0.50	5492263
Volatile Organics						
Acetone (2-Propanone)	ug/L	<10	<10	<10	10	5493500
Benzene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Bromodichloromethane	ug/L	<0.50	<0.50	4.1	0.50	5493500
Bromoform	ug/L	<1.0	<1.0	<1.0	1.0	5493500
Bromomethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Carbon Tetrachloride	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Chlorobenzene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Chloroform	ug/L	<0.20	<0.20	5.9	0.20	5493500
Dibromochloromethane	ug/L	<0.50	<0.50	2.4	0.50	5493500
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	<1.0	1.0	5493500
1,1-Dichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5493500
1,2-Dichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,1-Dichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,2-Dichloropropane	ug/L	<0.20	<0.20	<0.20	0.20	5493500
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	<0.30	0.30	5493500
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	<0.40	0.40	5493500
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Hexane	ug/L	<1.0	<1.0	<1.0	1.0	5493500
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	<2.0	2.0	5493500
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	<10	10	5493500
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	5.0	5493500
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	<0.50	0.50	5493500

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B888862
Report Date: 2018/04/26

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		GML889	GML890	GML892		
Sampling Date		2018/04/18 10:50	2018/04/18 11:29	2018/04/18 12:20		
COC Number		657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK10**	**WG-160900764-20180418-JK11**	**WG-160900764-20180418-JK12**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Tetrachloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Toluene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5493500
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Trichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	0.20	5493500
p+m-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
o-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Total Xylenes	ug/L	<0.20	<0.20	<0.20	0.20	5493500
F1 (C6-C10)	ug/L	<25	<25	<25	25	5493500
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	25	5493500
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	<100	100	5498642
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	200	5498642
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	200	5498642
Reached Baseline at C50	ug/L	Yes	Yes	Yes		5498642
Surrogate Recovery (%)						
o-Terphenyl	%	107	104	104		5498642
4-Bromofluorobenzene	%	93	95	91		5493500
D4-1,2-Dichloroethane	%	106	108	125		5493500
D8-Toluene	%	98	97	97		5493500

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QC Batch = Quality Control Batch

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Maxxam Job #: B888862
Report Date: 2018/04/26

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		GML893	GML894	GML895		
Sampling Date		2018/04/18 13:10	2018/04/18 13:57	2018/04/18 15:10		
COC Number		657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK13**	**WG-160900764-20180418-JK14**	**WG-160900764-20180418-JK15**	**RDL**	**QC Batch**
Calculated Parameters						
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	<0.50	0.50	5492263
Volatile Organics						
Acetone (2-Propanone)	ug/L	<10	<10	<10	10	5493500
Benzene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Bromodichloromethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Bromoform	ug/L	<1.0	<1.0	<1.0	1.0	5493500
Bromomethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Carbon Tetrachloride	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Chlorobenzene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Chloroform	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Dibromochloromethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	<1.0	1.0	5493500
1,1-Dichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5493500
1,2-Dichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,1-Dichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,2-Dichloropropane	ug/L	<0.20	<0.20	<0.20	0.20	5493500
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	<0.30	0.30	5493500
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	<0.40	0.40	5493500
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Hexane	ug/L	<1.0	<1.0	<1.0	1.0	5493500
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	<2.0	2.0	5493500
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	<10	10	5493500
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	5.0	5493500
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	<0.50	0.50	5493500

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B888862
Report Date: 2018/04/26

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		GML893	GML894	GML895		
Sampling Date		2018/04/18 13:10	2018/04/18 13:57	2018/04/18 15:10		
COC Number		657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK13**	**WG-160900764-20180418-JK14**	**WG-160900764-20180418-JK15**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Tetrachloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Toluene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	5493500
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Trichloroethylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	<0.50	0.50	5493500
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	0.20	5493500
p+m-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
o-Xylene	ug/L	<0.20	<0.20	<0.20	0.20	5493500
Total Xylenes	ug/L	<0.20	<0.20	<0.20	0.20	5493500
F1 (C6-C10)	ug/L	<25	<25	<25	25	5493500
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	25	5493500
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	<100	100	5498642
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	200	5498642
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	200	5498642
Reached Baseline at C50	ug/L	Yes	Yes	Yes		5498642
Surrogate Recovery (%)						
o-Terphenyl	%	102	97	103		5498642
4-Bromofluorobenzene	%	91	91	89		5493500
D4-1,2-Dichloroethane	%	123	105	107		5493500
D8-Toluene	%	96	97	98		5493500

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B888862
Report Date: 2018/04/26

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		GML896		
Sampling Date		2018/04/18 15:58		
COC Number		657879-01-01		
	UNITS	**WG-160900764-20180418-JK16**	**RDL**	**QC Batch**
Calculated Parameters				
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	5492263
Volatile Organics				
Acetone (2-Propanone)	ug/L	<10	10	5493500
Benzene	ug/L	<0.20	0.20	5493500
Bromodichloromethane	ug/L	<0.50	0.50	5493500
Bromoform	ug/L	<1.0	1.0	5493500
Bromomethane	ug/L	<0.50	0.50	5493500
Carbon Tetrachloride	ug/L	<0.20	0.20	5493500
Chlorobenzene	ug/L	<0.20	0.20	5493500
Chloroform	ug/L	<0.20	0.20	5493500
Dibromochloromethane	ug/L	<0.50	0.50	5493500
1,2-Dichlorobenzene	ug/L	<0.50	0.50	5493500
1,3-Dichlorobenzene	ug/L	<0.50	0.50	5493500
1,4-Dichlorobenzene	ug/L	<0.50	0.50	5493500
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	5493500
1,1-Dichloroethane	ug/L	<0.20	0.20	5493500
1,2-Dichloroethane	ug/L	<0.50	0.50	5493500
1,1-Dichloroethylene	ug/L	<0.20	0.20	5493500
cis-1,2-Dichloroethylene	ug/L	<0.50	0.50	5493500
trans-1,2-Dichloroethylene	ug/L	<0.50	0.50	5493500
1,2-Dichloropropane	ug/L	<0.20	0.20	5493500
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	5493500
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	5493500
Ethylbenzene	ug/L	<0.20	0.20	5493500
Ethylene Dibromide	ug/L	<0.20	0.20	5493500
Hexane	ug/L	<1.0	1.0	5493500
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	5493500
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	5493500
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	5493500
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	5493500

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B888862
Report Date: 2018/04/26

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		GML896		
Sampling Date		2018/04/18 15:58		
COC Number		657879-01-01		
	UNITS	**WG-160900764-20180418-JK16**	**RDL**	**QC Batch**
Styrene	ug/L	<0.50	0.50	5493500
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	5493500
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	5493500
Tetrachloroethylene	ug/L	<0.20	0.20	5493500
Toluene	ug/L	<0.20	0.20	5493500
1,1,1-Trichloroethane	ug/L	<0.20	0.20	5493500
1,1,2-Trichloroethane	ug/L	<0.50	0.50	5493500
Trichloroethylene	ug/L	<0.20	0.20	5493500
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	5493500
Vinyl Chloride	ug/L	<0.20	0.20	5493500
p+m-Xylene	ug/L	<0.20	0.20	5493500
o-Xylene	ug/L	<0.20	0.20	5493500
Total Xylenes	ug/L	<0.20	0.20	5493500
F1 (C6-C10)	ug/L	<25	25	5493500
F1 (C6-C10) - BTEX	ug/L	<25	25	5493500
F2-F4 Hydrocarbons				
F2 (C10-C16 Hydrocarbons)	ug/L	<100	100	5498642
F3 (C16-C34 Hydrocarbons)	ug/L	<200	200	5498642
F4 (C34-C50 Hydrocarbons)	ug/L	<200	200	5498642
Reached Baseline at C50	ug/L	Yes		5498642
Surrogate Recovery (%)				
o-Terphenyl	%	103		5498642
4-Bromofluorobenzene	%	91		5493500
D4-1,2-Dichloroethane	%	106		5493500
D8-Toluene	%	97		5493500

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GML887	GML888	GML889	GML890		
Sampling Date		2018/04/18 09:31	2018/04/18 10:14	2018/04/18 10:50	2018/04/18 11:29		
COC Number		657879-01-01	657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK8**	**WG-160900764-20180418-JK9**	**WG-160900764-20180418-JK10**	**WG-160900764-20180418-JK11**	**RDL**	**QC Batch**
Semivolatile Organics							
1,2,4-Trichlorobenzene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
1-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5493503
2,4,5-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5493503
2,4,6-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5493503
2,4-Dichlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
2,4-Dimethylphenol	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5493503
2,4-Dinitrophenol	ug/L	<2	<2	<2	<2	2	5493503
2,4-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	<0.3	0.3	5493503
2,6-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	<0.3	0.3	5493503
2-Chlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
2-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5493503
3,3'-Dichlorobenzidine	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5493503
Acenaphthene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5493503
Acenaphthylene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5493503
Anthracene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5493503
Benzo(a)anthracene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5493503
Benzo(a)pyrene	ug/L	<0.01	<0.01	<0.01	<0.01	0.01	5493503
Benzo(b/j)fluoranthene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5493503
Benzo(g,h,i)perylene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5493503
Benzo(k)fluoranthene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5493503
Biphenyl	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
Bis(2-chloroethyl)ether	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5493503
Bis(2-chloroisopropyl)ether	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5493503
Bis(2-ethylhexyl)phthalate	ug/L	<1	<1	<1	<1	1	5493503
Chrysene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5493503
Dibenz(a,h)anthracene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
Diethyl phthalate	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
Dimethyl phthalate	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
Fluoranthene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5493503
Fluorene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5493503

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GML887	GML888	GML889	GML890		
Sampling Date		2018/04/18 09:31	2018/04/18 10:14	2018/04/18 10:50	2018/04/18 11:29		
COC Number		657879-01-01	657879-01-01	657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK8**	**WG-160900764-20180418-JK9**	**WG-160900764-20180418-JK10**	**WG-160900764-20180418-JK11**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
Naphthalene	ug/L	<0.2	<0.2	<0.2	<0.2	0.2	5493503
p-Chloroaniline	ug/L	<1	<1	<1	<1	1	5493503
Pentachlorophenol	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
Phenanthrene	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	5493503
Phenol	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	5493503
Pyrene	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	5493503
Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/L	<0.28	<0.28	<0.28	<0.28	0.28	5491470
Surrogate Recovery (%)							
2,4,6-Tribromophenol	%	36 (1)	74	65	28 (1)		5493503
2-Fluorobiphenyl	%	58	77	81	50		5493503
D14-Terphenyl (FS)	%	108	104	103	105		5493503
D5-Nitrobenzene	%	54	72	77	42 (1)		5493503

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

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GML892		GML893	GML894		
Sampling Date		2018/04/18 12:20		2018/04/18 13:10	2018/04/18 13:57		
COC Number		657879-01-01		657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK12**	**QC Batch**	**WG-160900764-20180418-JK13**	**WG-160900764-20180418-JK14**	**RDL**	**QC Batch**
Semivolatile Organics							
1,2,4-Trichlorobenzene	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
1-Methylnaphthalene	ug/L	<0.2	5497891	<0.2	<0.2	0.2	5493503
2,4,5-Trichlorophenol	ug/L	<0.2	5497891	<0.2	<0.2	0.2	5493503
2,4,6-Trichlorophenol	ug/L	<0.2	5497891	<0.2	<0.2	0.2	5493503
2,4-Dichlorophenol	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
2,4-Dimethylphenol	ug/L	<0.5	5497891	<0.5	<0.5	0.5	5493503
2,4-Dinitrophenol	ug/L	<2	5497891	<2	<2	2	5493503
2,4-Dinitrotoluene	ug/L	<0.3	5497891	<0.3	<0.3	0.3	5493503
2,6-Dinitrotoluene	ug/L	<0.3	5497891	<0.3	<0.3	0.3	5493503
2-Chlorophenol	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
2-Methylnaphthalene	ug/L	<0.2	5497891	<0.2	<0.2	0.2	5493503
3,3'-Dichlorobenzidine	ug/L	<0.5	5497891	<0.5	<0.5	0.5	5493503
Acenaphthene	ug/L	<0.2	5497891	<0.2	<0.2	0.2	5493503
Acenaphthylene	ug/L	<0.2	5497891	<0.2	<0.2	0.2	5493503
Anthracene	ug/L	<0.05	5497891	<0.05	<0.05	0.05	5493503
Benzo(a)anthracene	ug/L	<0.05	5497891	<0.05	<0.05	0.05	5493503
Benzo(a)pyrene	ug/L	<0.01	5497891	<0.01	<0.01	0.01	5493503
Benzo(b/j)fluoranthene	ug/L	<0.05	5497891	<0.05	<0.05	0.05	5493503
Benzo(g,h,i)perylene	ug/L	<0.05	5497891	<0.05	<0.05	0.05	5493503
Benzo(k)fluoranthene	ug/L	<0.05	5497891	<0.05	<0.05	0.05	5493503
Biphenyl	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
Bis(2-chloroethyl)ether	ug/L	<0.5	5497891	<0.5	<0.5	0.5	5493503
Bis(2-chloroisopropyl)ether	ug/L	<0.5	5497891	<0.5	<0.5	0.5	5493503
Bis(2-ethylhexyl)phthalate	ug/L	<1	5497891	<1	<1	1	5493503
Chrysene	ug/L	<0.05	5497891	<0.05	<0.05	0.05	5493503
Dibenz(a,h)anthracene	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
Diethyl phthalate	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
Dimethyl phthalate	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
Fluoranthene	ug/L	<0.2	5497891	<0.2	<0.2	0.2	5493503
Fluorene	ug/L	<0.2	5497891	<0.2	<0.2	0.2	5493503

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GML892		GML893	GML894		
Sampling Date		2018/04/18 12:20		2018/04/18 13:10	2018/04/18 13:57		
COC Number		657879-01-01		657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK12**	**QC Batch**	**WG-160900764-20180418-JK13**	**WG-160900764-20180418-JK14**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
Naphthalene	ug/L	<0.2	5497891	<0.2	<0.2	0.2	5493503
p-Chloroaniline	ug/L	<1	5497891	<1	<1	1	5493503
Pentachlorophenol	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
Phenanthrene	ug/L	<0.1	5497891	<0.1	<0.1	0.1	5493503
Phenol	ug/L	<0.5	5497891	<0.5	<0.5	0.5	5493503
Pyrene	ug/L	<0.05	5497891	<0.05	<0.05	0.05	5493503
Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/L	<0.28	5491470	<0.28	<0.28	0.28	5491470
Surrogate Recovery (%)							
2,4,6-Tribromophenol	%	67	5497891	72	84		5493503
2-Fluorobiphenyl	%	48 (1)	5497891	65	86		5493503
D14-Terphenyl (FS)	%	103	5497891	105	105		5493503
D5-Nitrobenzene	%	58	5497891	62	80		5493503

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

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GML895	GML896		
Sampling Date		2018/04/18 15:10	2018/04/18 15:58		
COC Number		657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK15**	**WG-160900764-20180418-JK16**	**RDL**	**QC Batch**
Semivolatile Organics					
1,2,4-Trichlorobenzene	ug/L	<0.1	<0.1	0.1	5493503
1-Methylnaphthalene	ug/L	<0.2	<0.2	0.2	5493503
2,4,5-Trichlorophenol	ug/L	<0.2	<0.2	0.2	5493503
2,4,6-Trichlorophenol	ug/L	<0.2	<0.2	0.2	5493503
2,4-Dichlorophenol	ug/L	<0.1	<0.1	0.1	5493503
2,4-Dimethylphenol	ug/L	<0.5	<0.5	0.5	5493503
2,4-Dinitrophenol	ug/L	<2	<2	2	5493503
2,4-Dinitrotoluene	ug/L	<0.3	<0.3	0.3	5493503
2,6-Dinitrotoluene	ug/L	<0.3	<0.3	0.3	5493503
2-Chlorophenol	ug/L	<0.1	<0.1	0.1	5493503
2-Methylnaphthalene	ug/L	<0.2	<0.2	0.2	5493503
3,3'-Dichlorobenzidine	ug/L	<0.5	<0.5	0.5	5493503
Acenaphthene	ug/L	<0.2	<0.2	0.2	5493503
Acenaphthylene	ug/L	<0.2	<0.2	0.2	5493503
Anthracene	ug/L	<0.05	<0.05	0.05	5493503
Benzo(a)anthracene	ug/L	<0.05	<0.05	0.05	5493503
Benzo(a)pyrene	ug/L	<0.01	<0.01	0.01	5493503
Benzo(b/j)fluoranthene	ug/L	<0.05	<0.05	0.05	5493503
Benzo(g,h,i)perylene	ug/L	<0.05	<0.05	0.05	5493503
Benzo(k)fluoranthene	ug/L	<0.05	<0.05	0.05	5493503
Biphenyl	ug/L	<0.1	<0.1	0.1	5493503
Bis(2-chloroethyl)ether	ug/L	<0.5	<0.5	0.5	5493503
Bis(2-chloroisopropyl)ether	ug/L	<0.5	<0.5	0.5	5493503
Bis(2-ethylhexyl)phthalate	ug/L	<1	<1	1	5493503
Chrysene	ug/L	<0.05	<0.05	0.05	5493503
Dibenz(a,h)anthracene	ug/L	<0.1	<0.1	0.1	5493503
Diethyl phthalate	ug/L	<0.1	<0.1	0.1	5493503
Dimethyl phthalate	ug/L	<0.1	<0.1	0.1	5493503
Fluoranthene	ug/L	<0.2	<0.2	0.2	5493503
Fluorene	ug/L	<0.2	<0.2	0.2	5493503

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Maxxam ID		GML895	GML896		
Sampling Date		2018/04/18 15:10	2018/04/18 15:58		
COC Number		657879-01-01	657879-01-01		
	UNITS	**WG-160900764-20180418-JK15**	**WG-160900764-20180418-JK16**	**RDL**	**QC Batch**
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	<0.1	0.1	5493503
Naphthalene	ug/L	<0.2	<0.2	0.2	5493503
p-Chloroaniline	ug/L	<1	<1	1	5493503
Pentachlorophenol	ug/L	<0.1	<0.1	0.1	5493503
Phenanthrene	ug/L	<0.1	<0.1	0.1	5493503
Phenol	ug/L	<0.5	<0.5	0.5	5493503
Pyrene	ug/L	<0.05	<0.05	0.05	5493503
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/L	<0.28	<0.28	0.28	5491470
Surrogate Recovery (%)					
2,4,6-Tribromophenol	%	29 (1)	48 (1)		5493503
2-Fluorobiphenyl	%	75	64		5493503
D14-Terphenyl (FS)	%	104	103		5493503
D5-Nitrobenzene	%	66	57		5493503

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

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

TEST SUMMARY

Maxxam ID: GML887
Sample ID: WG-160900764-20180418-JK8
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5491470	N/A	2018/04/23	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5493503	2018/04/20	2018/04/21	Milijana Avramovic
Acidity (CaCO3) in water	MT	5500182	N/A	2018/04/25	Brent Boudreau
Alkalinity	AT	5493711	N/A	2018/04/21	Yogesh Patel
Carbonate, Bicarbonate and Hydroxide	CALC	5491719	N/A	2018/04/23	Automated Statchk
1,3-Dichloropropene Sum	CALC	5492263	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5494214	N/A	2018/04/23	Deonarine Ramnarine
Conductivity	AT	5493715	N/A	2018/04/21	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Free (WAD) Cyanide	SKAL/CN	5496427	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494457	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Fluoride	ISE	5493717	2018/04/20	2018/04/21	Yogesh Patel
Hardness (calculated as CaCO3)		5491994	N/A	2018/04/20	Automated Statchk
Mercury	CV/AA	5496361	2018/04/23	2018/04/23	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5493504	N/A	2018/04/20	Matthew Ritenburg
Ion Balance (% Difference)	CALC	5492113	N/A	2018/04/23	Automated Statchk
Anion and Cation Sum	CALC	5491830	N/A	2018/04/23	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5492663	N/A	2018/04/19	Sirimathie Aluthwala
Total Ammonia-N	LACH/NH4	5498300	N/A	2018/04/25	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5493992	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula
pH	AT	5493718	N/A	2018/04/21	Yogesh Patel
Orthophosphate	KONE	5494221	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5491831	N/A	2018/04/23	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5491832	N/A	2018/04/23	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5494218	N/A	2018/04/23	Deonarine Ramnarine
Total Dissolved Solids (TDS calc)	CALC	5491698	N/A	2018/04/23	Automated Statchk
Total Dissolved Solids	BAL	5494138	2018/04/20	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5496867	N/A	2018/04/24	Anastasia Hamanov
Total Suspended Solids	BAL	5494131	2018/04/20	2018/04/25	Fang Wang
Turbidity	AT	5493709	N/A	2018/04/20	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/24	Xueming Jiang

Maxxam ID: GML888
Sample ID: WG-160900764-20180418-JK9
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5491470	N/A	2018/04/23	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5493503	2018/04/20	2018/04/21	Milijana Avramovic
Acidity (CaCO3) in water	MT	5500182	N/A	2018/04/25	Brent Boudreau
Alkalinity	AT	5494460	N/A	2018/04/22	Yogesh Patel
Carbonate, Bicarbonate and Hydroxide	CALC	5491719	N/A	2018/04/23	Automated Statchk

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

TEST SUMMARY

Maxxam ID: GML888
Sample ID: WG-160900764-20180418-JK9
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	5492263	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5494214	N/A	2018/04/23	Deonarine Ramnarine
Conductivity	AT	5494467	N/A	2018/04/22	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Free (WAD) Cyanide	SKAL/CN	5496427	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494457	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Fluoride	ISE	5494478	2018/04/20	2018/04/22	Yogesh Patel
Hardness (calculated as CaCO3)		5491994	N/A	2018/04/20	Automated Statchk
Mercury	CV/AA	5497806	2018/04/24	2018/04/24	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5493504	N/A	2018/04/20	Matthew Ritenburg
Ion Balance (% Difference)	CALC	5492113	N/A	2018/04/23	Automated Statchk
Anion and Cation Sum	CALC	5491830	N/A	2018/04/23	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5492663	N/A	2018/04/19	Sirimathie Aluthwala
Total Ammonia-N	LACH/NH4	5498300	N/A	2018/04/25	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5493992	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula
pH	AT	5494464	N/A	2018/04/22	Yogesh Patel
Orthophosphate	KONE	5494221	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5491831	N/A	2018/04/23	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5491832	N/A	2018/04/23	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5494218	N/A	2018/04/23	Deonarine Ramnarine
Total Dissolved Solids (TDS calc)	CALC	5491698	N/A	2018/04/23	Automated Statchk
Total Dissolved Solids	BAL	5494138	2018/04/20	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5496867	N/A	2018/04/24	Anastasia Hamanov
Total Suspended Solids	BAL	5494131	2018/04/20	2018/04/25	Fang Wang
Turbidity	AT	5493985	N/A	2018/04/21	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/25	Xueming Jiang

Maxxam ID: GML888 Dup
Sample ID: WG-160900764-20180418-JK9
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/25	Xueming Jiang

Maxxam ID: GML889
Sample ID: WG-160900764-20180418-JK10
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5491470	N/A	2018/04/23	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5493503	2018/04/20	2018/04/21	Milijana Avramovic

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

TEST SUMMARY

Maxxam ID: GML889
Sample ID: WG-160900764-20180418-JK10
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acidity (CaCO3) in water	MT	5500182	N/A	2018/04/25	Brent Boudreau
Alkalinity	AT	5493711	N/A	2018/04/21	Yogesh Patel
Carbonate, Bicarbonate and Hydroxide	CALC	5491719	N/A	2018/04/23	Automated Statchk
1,3-Dichloropropene Sum	CALC	5492263	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5494214	N/A	2018/04/23	Deonarine Ramnarine
Conductivity	AT	5493715	N/A	2018/04/21	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Free (WAD) Cyanide	SKAL/CN	5496427	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494457	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Fluoride	ISE	5493717	2018/04/20	2018/04/21	Yogesh Patel
Hardness (calculated as CaCO3)		5491994	N/A	2018/04/20	Automated Statchk
Mercury	CV/AA	5496361	2018/04/23	2018/04/23	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5493504	N/A	2018/04/20	Matthew Ritenburg
Ion Balance (% Difference)	CALC	5492113	N/A	2018/04/23	Automated Statchk
Anion and Cation Sum	CALC	5491830	N/A	2018/04/23	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5492663	N/A	2018/04/19	Sirimathie Aluthwala
Total Ammonia-N	LACH/NH4	5498300	N/A	2018/04/25	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5493992	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula
pH	AT	5493718	N/A	2018/04/21	Yogesh Patel
Orthophosphate	KONE	5494221	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5491831	N/A	2018/04/23	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5491832	N/A	2018/04/23	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5494218	N/A	2018/04/23	Deonarine Ramnarine
Total Dissolved Solids (TDS calc)	CALC	5491698	N/A	2018/04/23	Automated Statchk
Total Dissolved Solids	BAL	5494138	2018/04/20	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5496867	N/A	2018/04/24	Anastasia Hamanov
Total Suspended Solids	BAL	5494131	2018/04/20	2018/04/25	Fang Wang
Turbidity	AT	5493709	N/A	2018/04/20	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/25	Xueming Jiang

Maxxam ID: GML889 Dup
Sample ID: WG-160900764-20180418-JK10
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494457	N/A	2018/04/21	Anastasia Hamanov
Total Suspended Solids	BAL	5494131	2018/04/20	2018/04/25	Fang Wang

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

TEST SUMMARY

Maxxam ID: GML890
Sample ID: WG-160900764-20180418-JK11
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5491470	N/A	2018/04/23	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5493503	2018/04/20	2018/04/21	Milijana Avramovic
Acidity (CaCO3) in water	MT	5500182	N/A	2018/04/25	Brent Boudreau
Alkalinity	AT	5493711	N/A	2018/04/21	Yogesh Patel
Carbonate, Bicarbonate and Hydroxide	CALC	5491719	N/A	2018/04/23	Automated Statchk
1,3-Dichloropropene Sum	CALC	5492263	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5494214	N/A	2018/04/23	Deonarine Ramnarine
Conductivity	AT	5493715	N/A	2018/04/21	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Free (WAD) Cyanide	SKAL/CN	5496427	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494457	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Fluoride	ISE	5493717	2018/04/20	2018/04/21	Yogesh Patel
Hardness (calculated as CaCO3)		5491994	N/A	2018/04/20	Automated Statchk
Mercury	CV/AA	5496361	2018/04/23	2018/04/23	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5493504	N/A	2018/04/20	Matthew Ritenburg
Ion Balance (% Difference)	CALC	5492113	N/A	2018/04/23	Automated Statchk
Anion and Cation Sum	CALC	5491830	N/A	2018/04/23	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5492663	N/A	2018/04/19	Sirimathie Aluthwala
Total Ammonia-N	LACH/NH4	5498300	N/A	2018/04/25	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5493992	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula
pH	AT	5493718	N/A	2018/04/21	Yogesh Patel
Orthophosphate	KONE	5494221	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5491831	N/A	2018/04/23	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5491832	N/A	2018/04/23	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5494218	N/A	2018/04/23	Deonarine Ramnarine
Total Dissolved Solids (TDS calc)	CALC	5491698	N/A	2018/04/23	Automated Statchk
Total Dissolved Solids	BAL	5494138	2018/04/20	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5496867	N/A	2018/04/24	Anastasia Hamanov
Total Suspended Solids	BAL	5494131	2018/04/20	2018/04/25	Fang Wang
Turbidity	AT	5493709	N/A	2018/04/20	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/25	Xueming Jiang

Maxxam ID: GML890 Dup
Sample ID: WG-160900764-20180418-JK11
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	5493711	N/A	2018/04/21	Yogesh Patel
Conductivity	AT	5493715	N/A	2018/04/21	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Fluoride	ISE	5493717	2018/04/20	2018/04/21	Yogesh Patel
Mercury	CV/AA	5496361	2018/04/23	2018/04/23	Ron Morrison

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

TEST SUMMARY

Maxxam ID: GML890 Dup
Sample ID: WG-160900764-20180418-JK11
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH	AT	5493718	N/A	2018/04/21	Yogesh Patel

Maxxam ID: GML892
Sample ID: WG-160900764-20180418-JK12
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5491470	N/A	2018/04/25	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5497891	2018/04/24	2018/04/24	Milijana Avramovic
Acidity (CaCO3) in water	MT	5500182	N/A	2018/04/25	Brent Boudreau
Alkalinity	AT	5493711	N/A	2018/04/21	Yogesh Patel
Carbonate, Bicarbonate and Hydroxide	CALC	5491719	N/A	2018/04/23	Automated Statchk
1,3-Dichloropropene Sum	CALC	5492263	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5494214	N/A	2018/04/23	Deonarine Ramnarine
Conductivity	AT	5493715	N/A	2018/04/21	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Free (WAD) Cyanide	SKAL/CN	5496427	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494457	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Fluoride	ISE	5493717	2018/04/20	2018/04/21	Yogesh Patel
Hardness (calculated as CaCO3)		5491994	N/A	2018/04/20	Automated Statchk
Mercury	CV/AA	5496361	2018/04/23	2018/04/23	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5493504	N/A	2018/04/20	Matthew Ritenburg
Ion Balance (% Difference)	CALC	5492113	N/A	2018/04/23	Automated Statchk
Anion and Cation Sum	CALC	5491830	N/A	2018/04/23	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5492663	N/A	2018/04/19	Sirimathie Aluthwala
Total Ammonia-N	LACH/NH4	5498300	N/A	2018/04/25	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5493992	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula
pH	AT	5493718	N/A	2018/04/21	Yogesh Patel
Orthophosphate	KONE	5494221	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5491831	N/A	2018/04/23	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5491832	N/A	2018/04/23	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5494218	N/A	2018/04/23	Deonarine Ramnarine
Total Dissolved Solids (TDS calc)	CALC	5491698	N/A	2018/04/23	Automated Statchk
Total Dissolved Solids	BAL	5494138	2018/04/20	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5496867	N/A	2018/04/24	Anastasia Hamanov
Total Suspended Solids	BAL	5494131	2018/04/20	2018/04/25	Fang Wang
Turbidity	AT	5493709	N/A	2018/04/20	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/25	Xueming Jiang

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

TEST SUMMARY

Maxxam ID: GML893
Sample ID: WG-160900764-20180418-JK13
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5491470	N/A	2018/04/23	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5493503	2018/04/20	2018/04/21	Milijana Avramovic
Acidity (CaCO3) in water	MT	5500182	N/A	2018/04/25	Brent Boudreau
Alkalinity	AT	5493711	N/A	2018/04/21	Yogesh Patel
Carbonate, Bicarbonate and Hydroxide	CALC	5491719	N/A	2018/04/23	Automated Statchk
1,3-Dichloropropene Sum	CALC	5492263	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5494214	N/A	2018/04/23	Deonarine Ramnarine
Conductivity	AT	5493715	N/A	2018/04/21	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Free (WAD) Cyanide	SKAL/CN	5496427	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494457	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Fluoride	ISE	5493717	2018/04/20	2018/04/21	Yogesh Patel
Hardness (calculated as CaCO3)		5491994	N/A	2018/04/20	Automated Statchk
Mercury	CV/AA	5496361	2018/04/23	2018/04/23	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5493504	N/A	2018/04/20	Matthew Ritenburg
Ion Balance (% Difference)	CALC	5492113	N/A	2018/04/23	Automated Statchk
Anion and Cation Sum	CALC	5491830	N/A	2018/04/23	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5492663	N/A	2018/04/19	Sirimathie Aluthwala
Total Ammonia-N	LACH/NH4	5498300	N/A	2018/04/25	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5493992	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula
pH	AT	5493718	N/A	2018/04/21	Yogesh Patel
Orthophosphate	KONE	5494221	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5491831	N/A	2018/04/23	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5491832	N/A	2018/04/23	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5494218	N/A	2018/04/23	Deonarine Ramnarine
Total Dissolved Solids (TDS calc)	CALC	5491698	N/A	2018/04/23	Automated Statchk
Total Dissolved Solids	BAL	5494138	2018/04/20	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5496867	N/A	2018/04/24	Anastasia Hamanov
Total Suspended Solids	BAL	5494131	2018/04/20	2018/04/25	Fang Wang
Turbidity	AT	5493709	N/A	2018/04/20	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/25	Xueming Jiang

Maxxam ID: GML893 Dup
Sample ID: WG-160900764-20180418-JK13
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

TEST SUMMARY

Maxxam ID: GML894
Sample ID: WG-160900764-20180418-JK14
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5491470	N/A	2018/04/23	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5493503	2018/04/20	2018/04/21	Milijana Avramovic
Acidity (CaCO3) in water	MT	5500182	N/A	2018/04/25	Brent Boudreau
Alkalinity	AT	5493711	N/A	2018/04/21	Yogesh Patel
Carbonate, Bicarbonate and Hydroxide	CALC	5491719	N/A	2018/04/23	Automated Statchk
1,3-Dichloropropene Sum	CALC	5492263	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5494214	N/A	2018/04/23	Deonarine Ramnarine
Conductivity	AT	5493715	N/A	2018/04/21	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Free (WAD) Cyanide	SKAL/CN	5496427	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494392	N/A	2018/04/20	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Fluoride	ISE	5493717	2018/04/20	2018/04/21	Yogesh Patel
Hardness (calculated as CaCO3)		5491994	N/A	2018/04/20	Automated Statchk
Mercury	CV/AA	5496361	2018/04/23	2018/04/23	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5493504	N/A	2018/04/20	Matthew Ritenburg
Ion Balance (% Difference)	CALC	5492113	N/A	2018/04/23	Automated Statchk
Anion and Cation Sum	CALC	5491830	N/A	2018/04/23	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5492663	N/A	2018/04/19	Sirimathie Aluthwala
Total Ammonia-N	LACH/NH4	5498300	N/A	2018/04/25	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5493992	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula
pH	AT	5493718	N/A	2018/04/21	Yogesh Patel
Orthophosphate	KONE	5494221	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5491831	N/A	2018/04/23	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5491832	N/A	2018/04/23	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5494218	N/A	2018/04/23	Deonarine Ramnarine
Total Dissolved Solids (TDS calc)	CALC	5491698	N/A	2018/04/23	Automated Statchk
Total Dissolved Solids	BAL	5494138	2018/04/20	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5496867	N/A	2018/04/24	Anastasia Hamanov
Total Suspended Solids	BAL	5494131	2018/04/20	2018/04/25	Fang Wang
Turbidity	AT	5493709	N/A	2018/04/20	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/25	Xueming Jiang

Maxxam ID: GML895
Sample ID: WG-160900764-20180418-JK15
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5491470	N/A	2018/04/23	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5493503	2018/04/20	2018/04/21	Milijana Avramovic
Acidity (CaCO3) in water	MT	5500182	N/A	2018/04/25	Brent Boudreau
Alkalinity	AT	5493711	N/A	2018/04/21	Yogesh Patel
Carbonate, Bicarbonate and Hydroxide	CALC	5491719	N/A	2018/04/23	Automated Statchk

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Maxxam Job #: B888862
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Client Project #: 160900764
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Sampler Initials: JK

TEST SUMMARY

Maxxam ID: GML895
Sample ID: WG-160900764-20180418-JK15
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	5492263	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5494214	N/A	2018/04/23	Deonarine Ramnarine
Conductivity	AT	5493715	N/A	2018/04/21	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Free (WAD) Cyanide	SKAL/CN	5496427	N/A	2018/04/23	Xuanhong Qiu
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494457	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Fluoride	ISE	5493717	2018/04/20	2018/04/21	Yogesh Patel
Hardness (calculated as CaCO3)		5491994	N/A	2018/04/20	Automated Statchk
Mercury	CV/AA	5496361	2018/04/23	2018/04/23	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5493504	N/A	2018/04/20	Matthew Ritenburg
Ion Balance (% Difference)	CALC	5492113	N/A	2018/04/23	Automated Statchk
Anion and Cation Sum	CALC	5491830	N/A	2018/04/23	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5492663	N/A	2018/04/19	Sirimathie Aluthwala
Total Ammonia-N	LACH/NH4	5498300	N/A	2018/04/25	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5493992	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula
pH	AT	5493718	N/A	2018/04/21	Yogesh Patel
Orthophosphate	KONE	5494221	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5491831	N/A	2018/04/23	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5491832	N/A	2018/04/23	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5494218	N/A	2018/04/23	Deonarine Ramnarine
Total Dissolved Solids (TDS calc)	CALC	5491698	N/A	2018/04/23	Automated Statchk
Total Dissolved Solids	BAL	5497155	2018/04/20	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5496867	N/A	2018/04/24	Anastasia Hamanov
Total Suspended Solids	BAL	5497144	2018/04/20	2018/04/25	Fang Wang
Turbidity	AT	5493709	N/A	2018/04/20	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/25	Xueming Jiang

Maxxam ID: GML896
Sample ID: WG-160900764-20180418-JK16
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	5491470	N/A	2018/04/23	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	5493503	2018/04/20	2018/04/21	Milijana Avramovic
Acidity (CaCO3) in water	MT	5500182	N/A	2018/04/25	Brent Boudreau
Alkalinity	AT	5493711	N/A	2018/04/21	Yogesh Patel
Carbonate, Bicarbonate and Hydroxide	CALC	5492285	N/A	2018/04/23	Automated Statchk
1,3-Dichloropropene Sum	CALC	5492263	N/A	2018/04/26	Automated Statchk
Chloride by Automated Colourimetry	KONE	5494214	N/A	2018/04/23	Deonarine Ramnarine
Conductivity	AT	5493715	N/A	2018/04/21	Yogesh Patel
Chromium (VI) in Water	IC	5494952	N/A	2018/04/25	Rupinder Sihota
Free (WAD) Cyanide	SKAL/CN	5496427	N/A	2018/04/23	Xuanhong Qiu

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Maxxam Job #: B888862
Report Date: 2018/04/26

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

TEST SUMMARY

Maxxam ID: GML896
Sample ID: WG-160900764-20180418-JK16
Matrix: Water

Collected: 2018/04/18
Shipped:
Received: 2018/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	5494457	N/A	2018/04/21	Anastasia Hamanov
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	5498642	2018/04/24	2018/04/25	Zhiyue (Frank) Zhu
Fluoride	ISE	5493717	2018/04/20	2018/04/21	Yogesh Patel
Hardness (calculated as CaCO3)		5492286	N/A	2018/04/20	Automated Statchk
Mercury	CV/AA	5496361	2018/04/23	2018/04/23	Ron Morrison
Metals Analysis by ICPMS (as received)	ICP/MS	5493504	N/A	2018/04/20	Matthew Ritenburg
Ion Balance (% Difference)	CALC	5492113	N/A	2018/04/23	Automated Statchk
Anion and Cation Sum	CALC	5491830	N/A	2018/04/23	Automated Statchk
Total Coliforms/ E. coli, CFU/100mL	PL	5492663	N/A	2018/04/19	Sirimathie Aluthwala
Total Ammonia-N	LACH/NH4	5498300	N/A	2018/04/25	Parminder Sangha
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	5493992	N/A	2018/04/23	Chandra Nandlal
Polychlorinated Biphenyl in Water	GC/ECD	5495478	2018/04/21	2018/04/21	Svitlana Shaula
pH	AT	5493718	N/A	2018/04/21	Yogesh Patel
Orthophosphate	KONE	5494221	N/A	2018/04/22	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	5491831	N/A	2018/04/23	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	5491832	N/A	2018/04/23	Automated Statchk
Sulphate by Automated Colourimetry	KONE	5494218	N/A	2018/04/23	Deonarine Ramnarine
Total Dissolved Solids (TDS calc)	CALC	5491698	N/A	2018/04/23	Automated Statchk
Total Dissolved Solids	BAL	5494138	2018/04/20	2018/04/25	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	5496867	N/A	2018/04/24	Anastasia Hamanov
Total Suspended Solids	BAL	5494131	2018/04/20	2018/04/25	Fang Wang
Turbidity	AT	5493709	N/A	2018/04/20	Tahir Anwar
Volatile Organic Compounds and F1 PHCs	GC/MSFD	5493500	N/A	2018/04/25	Xueming Jiang

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GENERAL COMMENTS

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

Package 1	4.0°C
Package 2	1.7°C
Package 3	1.7°C
Package 4	1.7°C
Package 5	2.0°C
Package 6	1.3°C
Package 7	2.0°C
Package 8	5.3°C
Package 9	1.7°C

Results relate only to the items tested.

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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
5493500	4-Bromofluorobenzene	2018/04/24	99	70 - 130	99	70 - 130	92	%				
5493500	D4-1,2-Dichloroethane	2018/04/24	106	70 - 130	102	70 - 130	105	%				
5493500	D8-Toluene	2018/04/24	102	70 - 130	103	70 - 130	98	%				
5493503	2,4,6-Tribromophenol	2018/04/20	99	50 - 130	102	50 - 130	72	%				
5493503	2-Fluorobiphenyl	2018/04/20	72	50 - 130	77	50 - 130	71	%				
5493503	D14-Terphenyl (FS)	2018/04/20	107	50 - 130	108	50 - 130	102	%				
5493503	D5-Nitrobenzene	2018/04/20	73	50 - 130	83	50 - 130	63	%				
5495478	Decachlorobiphenyl	2018/04/21	105	60 - 130	110	60 - 130	111	%				
5497891	2,4,6-Tribromophenol	2018/04/24	94	50 - 130	100	50 - 130	77	%				
5497891	2-Fluorobiphenyl	2018/04/24	58	50 - 130	72	50 - 130	75	%				
5497891	D14-Terphenyl (FS)	2018/04/24	108	50 - 130	106	50 - 130	101	%				
5497891	D5-Nitrobenzene	2018/04/24	58	50 - 130	88	50 - 130	81	%				
5498642	o-Terphenyl	2018/04/24	110	60 - 130	112	60 - 130	109	%				
5493500	1,1,1,2-Tetrachloroethane	2018/04/25	100	70 - 130	100	70 - 130	<0.50	ug/L	NC	30		
5493500	1,1,1-Trichloroethane	2018/04/25	97	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
5493500	1,1,2,2-Tetrachloroethane	2018/04/25	104	70 - 130	101	70 - 130	<0.50	ug/L	NC	30		
5493500	1,1,2-Trichloroethane	2018/04/25	103	70 - 130	101	70 - 130	<0.50	ug/L	NC	30		
5493500	1,1-Dichloroethane	2018/04/25	98	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
5493500	1,1-Dichloroethylene	2018/04/25	95	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
5493500	1,2-Dichlorobenzene	2018/04/25	99	70 - 130	99	70 - 130	<0.50	ug/L	NC	30		
5493500	1,2-Dichloroethane	2018/04/25	102	70 - 130	100	70 - 130	<0.50	ug/L	NC	30		
5493500	1,2-Dichloropropane	2018/04/25	96	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
5493500	1,3-Dichlorobenzene	2018/04/25	97	70 - 130	100	70 - 130	<0.50	ug/L	NC	30		
5493500	1,4-Dichlorobenzene	2018/04/25	100	70 - 130	103	70 - 130	<0.50	ug/L	NC	30		
5493500	Acetone (2-Propanone)	2018/04/25	112	60 - 140	101	60 - 140	<10	ug/L	NC	30		
5493500	Benzene	2018/04/25	94	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
5493500	Bromodichloromethane	2018/04/25	97	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
5493500	Bromoform	2018/04/25	101	70 - 130	100	70 - 130	<1.0	ug/L	NC	30		
5493500	Bromomethane	2018/04/25	96	60 - 140	99	60 - 140	<0.50	ug/L	NC	30		
5493500	Carbon Tetrachloride	2018/04/25	97	70 - 130	101	70 - 130	<0.20	ug/L	NC	30		
5493500	Chlorobenzene	2018/04/25	95	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		

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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
5493500	Chloroform	2018/04/25	100	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
5493500	cis-1,2-Dichloroethylene	2018/04/25	98	70 - 130	100	70 - 130	<0.50	ug/L	NC	30		
5493500	cis-1,3-Dichloropropene	2018/04/25	84	70 - 130	81	70 - 130	<0.30	ug/L	NC	30		
5493500	Dibromochloromethane	2018/04/25	101	70 - 130	100	70 - 130	<0.50	ug/L	NC	30		
5493500	Dichlorodifluoromethane (FREON 12)	2018/04/25	93	60 - 140	109	60 - 140	<1.0	ug/L	NC	30		
5493500	Ethylbenzene	2018/04/25	92	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
5493500	Ethylene Dibromide	2018/04/25	103	70 - 130	101	70 - 130	<0.20	ug/L	NC	30		
5493500	F1 (C6-C10) - BTEX	2018/04/25					<25	ug/L	NC	30		
5493500	F1 (C6-C10)	2018/04/25	93	60 - 140	97	60 - 140	<25	ug/L	NC	30		
5493500	Hexane	2018/04/25	95	70 - 130	103	70 - 130	<1.0	ug/L	NC	30		
5493500	Methyl Ethyl Ketone (2-Butanone)	2018/04/25	112	60 - 140	101	60 - 140	<10	ug/L	NC	30		
5493500	Methyl Isobutyl Ketone	2018/04/25	100	70 - 130	97	70 - 130	<5.0	ug/L	NC	30		
5493500	Methyl t-butyl ether (MTBE)	2018/04/25	97	70 - 130	95	70 - 130	<0.50	ug/L	NC	30		
5493500	Methylene Chloride(Dichloromethane)	2018/04/25	102	70 - 130	103	70 - 130	<2.0	ug/L	NC	30		
5493500	o-Xylene	2018/04/25	90	70 - 130	95	70 - 130	<0.20	ug/L	NC	30		
5493500	p+m-Xylene	2018/04/25	89	70 - 130	94	70 - 130	<0.20	ug/L	NC	30		
5493500	Styrene	2018/04/25	93	70 - 130	99	70 - 130	<0.50	ug/L	NC	30		
5493500	Tetrachloroethylene	2018/04/25	98	70 - 130	102	70 - 130	<0.20	ug/L	NC	30		
5493500	Toluene	2018/04/25	89	70 - 130	92	70 - 130	<0.20	ug/L	NC	30		
5493500	Total Xylenes	2018/04/25					<0.20	ug/L	NC	30		
5493500	trans-1,2-Dichloroethylene	2018/04/25	93	70 - 130	98	70 - 130	<0.50	ug/L	NC	30		
5493500	trans-1,3-Dichloropropene	2018/04/25	86	70 - 130	81	70 - 130	<0.40	ug/L	NC	30		
5493500	Trichloroethylene	2018/04/25	94	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
5493500	Trichlorofluoromethane (FREON 11)	2018/04/25	98	70 - 130	104	70 - 130	<0.50	ug/L	NC	30		
5493500	Vinyl Chloride	2018/04/25	77	70 - 130	103	70 - 130	<0.20	ug/L	NC	30		
5493503	1,2,4-Trichlorobenzene	2018/04/20	77	40 - 130	79	40 - 130	<0.1	ug/L	NC	30		
5493503	1-Methylnaphthalene	2018/04/20	80	50 - 130	91	50 - 130	<0.2	ug/L	NC	30		
5493503	2,4,5-Trichlorophenol	2018/04/20	98	50 - 130	107	50 - 130	<0.2	ug/L	NC	30		
5493503	2,4,6-Trichlorophenol	2018/04/20	87	50 - 130	99	50 - 130	<0.2	ug/L	NC	30		
5493503	2,4-Dichlorophenol	2018/04/20	89	50 - 130	97	50 - 130	<0.1	ug/L	NC	30		
5493503	2,4-Dimethylphenol	2018/04/20	38	30 - 130	65	30 - 130	<0.5	ug/L	NC	30		

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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
5493503	2,4-Dinitrophenol	2018/04/20	126	30 - 130	124	30 - 130	<2	ug/L	NC	30		
5493503	2,4-Dinitrotoluene	2018/04/20	93	50 - 130	93	50 - 130	<0.3	ug/L	NC	30		
5493503	2,6-Dinitrotoluene	2018/04/20	89	50 - 130	91	50 - 130	<0.3	ug/L	NC	30		
5493503	2-Chlorophenol	2018/04/20	68	50 - 130	79	50 - 130	<0.1	ug/L	NC	30		
5493503	2-Methylnaphthalene	2018/04/20	79	50 - 130	90	50 - 130	<0.2	ug/L	NC	30		
5493503	3,3'-Dichlorobenzidine	2018/04/20	91	30 - 130	103	30 - 130	<0.5	ug/L	NC	30		
5493503	Acenaphthene	2018/04/20	92	50 - 130	101	50 - 130	<0.2	ug/L	NC	30		
5493503	Acenaphthylene	2018/04/20	89	50 - 130	98	50 - 130	<0.2	ug/L	NC	30		
5493503	Anthracene	2018/04/20	91	50 - 130	95	50 - 130	<0.05	ug/L	NC	30		
5493503	Benzo(a)anthracene	2018/04/20	107	50 - 130	111	50 - 130	<0.05	ug/L	NC	30		
5493503	Benzo(a)pyrene	2018/04/20	104	50 - 130	107	50 - 130	<0.01	ug/L	NC	30		
5493503	Benzo(b/j)fluoranthene	2018/04/20	107	50 - 130	110	50 - 130	<0.05	ug/L	NC	30		
5493503	Benzo(g,h,i)perylene	2018/04/20	117	50 - 130	126	50 - 130	<0.05	ug/L	NC	30		
5493503	Benzo(k)fluoranthene	2018/04/20	94	50 - 130	95	50 - 130	<0.05	ug/L	NC	30		
5493503	Biphenyl	2018/04/20	77	50 - 130	87	50 - 130	<0.1	ug/L	NC	30		
5493503	Bis(2-chloroethyl)ether	2018/04/20	74	50 - 130	84	50 - 130	<0.5	ug/L	NC	30		
5493503	Bis(2-chloroisopropyl)ether	2018/04/20	75	50 - 130	86	50 - 130	<0.5	ug/L	NC	30		
5493503	Bis(2-ethylhexyl)phthalate	2018/04/20	110	50 - 130	110	50 - 130	<1	ug/L	NC	30		
5493503	Chrysene	2018/04/20	109	50 - 130	113	50 - 130	<0.05	ug/L	NC	30		
5493503	Dibenz(a,h)anthracene	2018/04/20	107	50 - 130	112	50 - 130	<0.1	ug/L	NC	30		
5493503	Diethyl phthalate	2018/04/20	99	50 - 130	99	50 - 130	<0.1	ug/L	NC	30		
5493503	Dimethyl phthalate	2018/04/20	95	50 - 130	98	50 - 130	<0.1	ug/L	NC	30		
5493503	Fluoranthene	2018/04/20	106	50 - 130	107	50 - 130	<0.2	ug/L	NC	30		
5493503	Fluorene	2018/04/20	93	50 - 130	100	50 - 130	<0.2	ug/L	NC	30		
5493503	Indeno(1,2,3-cd)pyrene	2018/04/20	103	50 - 130	109	50 - 130	<0.1	ug/L	NC	30		
5493503	Naphthalene	2018/04/20	79	50 - 130	90	50 - 130	<0.2	ug/L	NC	30		
5493503	p-Chloroaniline	2018/04/20	77	30 - 130	83	30 - 130	<1	ug/L	NC	30		
5493503	Pentachlorophenol	2018/04/20	92	50 - 130	112	50 - 130	<0.1	ug/L	NC	30		
5493503	Phenanthrene	2018/04/20	96	50 - 130	99	50 - 130	<0.1	ug/L	NC	30		
5493503	Phenol	2018/04/20	32	30 - 130	38	30 - 130	<0.5	ug/L	NC	30		
5493503	Pyrene	2018/04/20	106	50 - 130	109	50 - 130	<0.05	ug/L	NC	30		

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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
5493504	. Aluminum (Al)	2018/04/20	97	80 - 120	93	80 - 120	<0.0050	mg/L				
5493504	. Antimony (Sb)	2018/04/20	101	80 - 120	96	80 - 120	<0.00050	mg/L				
5493504	. Arsenic (As)	2018/04/20	98	80 - 120	94	80 - 120	<0.0010	mg/L				
5493504	. Barium (Ba)	2018/04/20	96	80 - 120	92	80 - 120	<0.0020	mg/L				
5493504	. Beryllium (Be)	2018/04/20	97	80 - 120	94	80 - 120	<0.00050	mg/L				
5493504	. Boron (B)	2018/04/20	98	80 - 120	95	80 - 120	<0.010	mg/L				
5493504	. Cadmium (Cd)	2018/04/20	99	80 - 120	94	80 - 120	<0.00010	mg/L				
5493504	. Calcium (Ca)	2018/04/20	NC	80 - 120	93	80 - 120	<0.20	mg/L				
5493504	. Chromium (Cr)	2018/04/20	96	80 - 120	92	80 - 120	<0.0050	mg/L				
5493504	. Cobalt (Co)	2018/04/20	97	80 - 120	96	80 - 120	<0.00050	mg/L				
5493504	. Copper (Cu)	2018/04/20	101	80 - 120	98	80 - 120	<0.0010	mg/L				
5493504	. Iron (Fe)	2018/04/20	100	80 - 120	96	80 - 120	<0.10	mg/L				
5493504	. Lead (Pb)	2018/04/20	97	80 - 120	90	80 - 120	<0.00050	mg/L	NC	20		
5493504	. Magnesium (Mg)	2018/04/20	92	80 - 120	97	80 - 120	<0.050	mg/L				
5493504	. Manganese (Mn)	2018/04/20	98	80 - 120	94	80 - 120	<0.0020	mg/L				
5493504	. Molybdenum (Mo)	2018/04/20	97	80 - 120	91	80 - 120	<0.00050	mg/L				
5493504	. Nickel (Ni)	2018/04/20	96	80 - 120	94	80 - 120	<0.0010	mg/L				
5493504	. Phosphorus (P)	2018/04/20	100	80 - 120	94	80 - 120	<0.10	mg/L				
5493504	. Potassium (K)	2018/04/20	100	80 - 120	95	80 - 120	<0.20	mg/L				
5493504	. Selenium (Se)	2018/04/20	99	80 - 120	95	80 - 120	<0.0020	mg/L				
5493504	. Silicon (Si)	2018/04/20	97	80 - 120	91	80 - 120	<0.050	mg/L				
5493504	. Silver (Ag)	2018/04/20	96	80 - 120	92	80 - 120	<0.00010	mg/L				
5493504	. Sodium (Na)	2018/04/20	98	80 - 120	94	80 - 120	<0.10	mg/L				
5493504	. Strontium (Sr)	2018/04/20	95	80 - 120	92	80 - 120	<0.0010	mg/L				
5493504	. Thallium (Tl)	2018/04/20	99	80 - 120	93	80 - 120	<0.000050	mg/L				
5493504	. Titanium (Ti)	2018/04/20	100	80 - 120	94	80 - 120	<0.0050	mg/L				
5493504	. Uranium (U)	2018/04/20	98	80 - 120	92	80 - 120	<0.00010	mg/L				
5493504	. Vanadium (V)	2018/04/20	96	80 - 120	92	80 - 120	<0.00050	mg/L				
5493504	. Zinc (Zn)	2018/04/20	97	80 - 120	94	80 - 120	<0.0050	mg/L				
5493504	. Zirconium (Zr)	2018/04/20	100	80 - 120	95	80 - 120	<0.0010	mg/L				
5493709	Turbidity	2018/04/20			99	85 - 115	<0.1	NTU	5.7	20		

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Maxxam Job #: B888862
Report Date: 2018/04/26

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
5493711	Alkalinity (Total as CaCO3)	2018/04/21			96	85 - 115	<1.0	mg/L	0.58	20		
5493715	Conductivity	2018/04/21			99	85 - 115	<1.0	umho/cm	0.28	25		
5493717	Fluoride (F-)	2018/04/21	101	80 - 120	101	80 - 120	<0.10	mg/L	0.45	20		
5493718	pH	2018/04/21			102	98 - 103			0.34	N/A		
5493985	Turbidity	2018/04/21			101	85 - 115	<0.1	NTU	5.8	20		
5493992	Nitrate (N)	2018/04/23	98	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
5493992	Nitrite (N)	2018/04/23	97	80 - 120	98	80 - 120	<0.010	mg/L	NC	20		
5494131	Total Suspended Solids	2018/04/25					<10	mg/L	NC	25	100	85 - 115
5494138	Total Dissolved Solids	2018/04/25					<10	mg/L	2.4	25	100	90 - 110
5494214	Dissolved Chloride (Cl)	2018/04/23	NC	80 - 120	103	80 - 120	<1.0	mg/L	0.63	20		
5494218	Dissolved Sulphate (SO4)	2018/04/23	NC	75 - 125	105	80 - 120	<1.0	mg/L	1.2	20		
5494221	Orthophosphate (P)	2018/04/22	119	75 - 125	102	80 - 120	<0.010	mg/L	NC	25		
5494392	Dissolved Organic Carbon	2018/04/20	92	80 - 120	98	80 - 120	<0.50	mg/L	2.6	20		
5494457	Dissolved Organic Carbon	2018/04/21	93	80 - 120	99	80 - 120	<0.50	mg/L	4.3	20		
5494460	Alkalinity (Total as CaCO3)	2018/04/21			95	85 - 115	<1.0	mg/L	1.4	20		
5494464	pH	2018/04/21			102	98 - 103			0.43	N/A		
5494467	Conductivity	2018/04/21			99	85 - 115	<1.0	umho/cm	0	25		
5494478	Fluoride (F-)	2018/04/21	99	80 - 120	99	80 - 120	<0.10	mg/L	4.7	20		
5494952	Chromium (VI)	2018/04/25	100	80 - 120	97	80 - 120	<0.50	ug/L	NC	20		
5495478	Aroclor 1242	2018/04/21					<0.05	ug/L	NC	30		
5495478	Aroclor 1248	2018/04/21					<0.05	ug/L	NC	30		
5495478	Aroclor 1254	2018/04/21					<0.05	ug/L	NC	30		
5495478	Aroclor 1260	2018/04/21	98	60 - 130	94	60 - 130	<0.05	ug/L	NC	30		
5495478	Total PCB	2018/04/21	98	60 - 130	94	60 - 130	<0.05	ug/L	NC	40		
5496361	Mercury (Hg)	2018/04/23	102	75 - 125	102	80 - 120	<0.1	ug/L	NC	20		
5496427	WAD Cyanide (Free)	2018/04/23	93	80 - 120	95	80 - 120	<1	ug/L	NC	20		
5496867	Total Organic Carbon (TOC)	2018/04/24	94	80 - 120	95	80 - 120	<0.50	mg/L	0.86	20		
5497144	Total Suspended Solids	2018/04/25					<10	mg/L	NC	25	97	85 - 115
5497155	Total Dissolved Solids	2018/04/25					<10	mg/L	2.5	25	98	90 - 110

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Maxxam Job #: B888862
Report Date: 2018/04/26

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
5497806	Mercury (Hg)	2018/04/24	108	75 - 125	98	80 - 120	<0.1	ug/L	NC	20		
5497891	1,2,4-Trichlorobenzene	2018/04/24	57	40 - 130	75	40 - 130	<0.1	ug/L	NC	30		
5497891	1-Methylnaphthalene	2018/04/24	62	50 - 130	90	50 - 130	<0.2	ug/L	NC	30		
5497891	2,4,5-Trichlorophenol	2018/04/24	82	50 - 130	109	50 - 130	<0.2	ug/L	NC	30		
5497891	2,4,6-Trichlorophenol	2018/04/24	73	50 - 130	104	50 - 130	<0.2	ug/L	NC	30		
5497891	2,4-Dichlorophenol	2018/04/24	60	50 - 130	95	50 - 130	<0.1	ug/L	NC	30		
5497891	2,4-Dimethylphenol	2018/04/24	33	30 - 130	63	30 - 130	<0.5	ug/L	NC	30		
5497891	2,4-Dinitrophenol	2018/04/24	128	30 - 130	127	30 - 130	<2	ug/L	NC	30		
5497891	2,4-Dinitrotoluene	2018/04/24	92	50 - 130	95	50 - 130	<0.3	ug/L	NC	30		
5497891	2,6-Dinitrotoluene	2018/04/24	85	50 - 130	96	50 - 130	<0.3	ug/L	NC	30		
5497891	2-Chlorophenol	2018/04/24	56	50 - 130	86	50 - 130	<0.1	ug/L	NC	30		
5497891	2-Methylnaphthalene	2018/04/24	62	50 - 130	88	50 - 130	<0.2	ug/L	NC	30		
5497891	3,3'-Dichlorobenzidine	2018/04/24	109	30 - 130	112	30 - 130	<0.5	ug/L	NC	30		
5497891	Acenaphthene	2018/04/24	75	50 - 130	100	50 - 130	<0.2	ug/L	NC	30		
5497891	Acenaphthylene	2018/04/24	72	50 - 130	98	50 - 130	<0.2	ug/L	NC	30		
5497891	Anthracene	2018/04/24	87	50 - 130	93	50 - 130	<0.05	ug/L	NC	30		
5497891	Benzo(a)anthracene	2018/04/24	105	50 - 130	107	50 - 130	<0.05	ug/L	NC	30		
5497891	Benzo(a)pyrene	2018/04/24	100	50 - 130	99	50 - 130	<0.01	ug/L	NC	30		
5497891	Benzo(b/j)fluoranthene	2018/04/24	105	50 - 130	100	50 - 130	<0.05	ug/L	NC	30		
5497891	Benzo(g,h,i)perylene	2018/04/24	117	50 - 130	126	50 - 130	<0.05	ug/L	NC	30		
5497891	Benzo(k)fluoranthene	2018/04/24	95	50 - 130	92	50 - 130	<0.05	ug/L	NC	30		
5497891	Biphenyl	2018/04/24	62	50 - 130	85	50 - 130	<0.1	ug/L	NC	30		
5497891	Bis(2-chloroethyl)ether	2018/04/24	62	50 - 130	93	50 - 130	<0.5	ug/L	NC	30		
5497891	Bis(2-chloroisopropyl)ether	2018/04/24	61	50 - 130	91	50 - 130	<0.5	ug/L	NC	30		
5497891	Bis(2-ethylhexyl)phthalate	2018/04/24	109	50 - 130	114	50 - 130	<1	ug/L	NC	30		
5497891	Chrysene	2018/04/24	108	50 - 130	108	50 - 130	<0.05	ug/L	NC	30		
5497891	Dibenz(a,h)anthracene	2018/04/24	107	50 - 130	115	50 - 130	<0.1	ug/L	NC	30		
5497891	Diethyl phthalate	2018/04/24	94	50 - 130	99	50 - 130	<0.1	ug/L	NC	30		
5497891	Dimethyl phthalate	2018/04/24	88	50 - 130	100	50 - 130	<0.1	ug/L	NC	30		
5497891	Fluoranthene	2018/04/24	102	50 - 130	106	50 - 130	<0.2	ug/L	NC	30		
5497891	Fluorene	2018/04/24	81	50 - 130	97	50 - 130	<0.2	ug/L	NC	30		

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Maxxam Job #: B888862
Report Date: 2018/04/26

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
5497891	Indeno(1,2,3-cd)pyrene	2018/04/24	102	50 - 130	109	50 - 130	<0.1	ug/L	NC	30		
5497891	Naphthalene	2018/04/24	63	50 - 130	90	50 - 130	<0.2	ug/L	NC	30		
5497891	p-Chloroaniline	2018/04/24	61	30 - 130	100	30 - 130	<1	ug/L	NC	30		
5497891	Pentachlorophenol	2018/04/24	82	50 - 130	95	50 - 130	<0.1	ug/L	NC	30		
5497891	Phenanthrene	2018/04/24	92	50 - 130	95	50 - 130	<0.1	ug/L	NC	30		
5497891	Phenol	2018/04/24	24 (1)	30 - 130	39	30 - 130	<0.5	ug/L	NC	30		
5497891	Pyrene	2018/04/24	102	50 - 130	102	50 - 130	<0.05	ug/L	NC	30		
5498300	Total Ammonia-N	2018/04/25	102	75 - 125	102	80 - 120	<0.050	mg/L	NC	20		
5498642	F2 (C10-C16 Hydrocarbons)	2018/04/25	108	50 - 130	108	60 - 130	<100	ug/L	NC	30		
5498642	F3 (C16-C34 Hydrocarbons)	2018/04/25	111	50 - 130	115	60 - 130	<200	ug/L	NC	30		
5498642	F4 (C34-C50 Hydrocarbons)	2018/04/25	97	50 - 130	101	60 - 130	<200	ug/L	NC	30		
5500182	Acidity	2018/04/25	96	80 - 120	102	80 - 120	<5.0	mg/L	8.1	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.

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Maxxam Job #: B888862
Report Date: 2018/04/26

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).

Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

Gina Thompson, Inorganics General Chemistry Supervisor

Sirimathie Aluthwala, Campobello Micro

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

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ADDITIONAL COOLER TEMPERA

CHAIN-OF-CUSTODY RECO

19-Apr-18 08:30
Deepthi Shaji
B888862
J_L ENV-726

CHAIN OF CUSTODY #	
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COOLER OBSERVATIONS:

MAXXAM JOB#:

	YES	NO				
CUSTODY SEAL	YES	NO	COOLER ID 1			
PRESENT	✓		TEMP	4 (1)	4 (2)	4 (3)
INTACT	✓					
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 2			
PRESENT	✓		TEMP	1 (1)	2 (2)	2 (3)
INTACT	✓					
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 3			
PRESENT	✓		TEMP	2 (1)	2 (2)	1 (3)
INTACT	✓					
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 4			
PRESENT	✓		TEMP	1 (1)	2 (2)	2 (3)
INTACT	✓					
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 5			
PRESENT	✓		TEMP	1 (1)	2 (2)	3 (3)
INTACT	✓					
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 6			
PRESENT	✓		TEMP	1 (1)	1 (2)	2 (3)
INTACT	✓					
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 7			
PRESENT	✓		TEMP	2 (1)	2 (2)	2 (3)
INTACT	✓					
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 8			
PRESENT	✓		TEMP	5 (1)	7 (2)	4 (3)
INTACT	✓					
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID 9			
PRESENT	✓		TEMP	1 (1)	2 (2)	2 (3)
INTACT	✓					
ICE PRESENT	✓					
CUSTODY SEAL	YES	NO	COOLER ID			
PRESENT			TEMP	(1)	(2)	(3)
INTACT						
ICE PRESENT						

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

RECEIVED BY (SIGN & PRINT)		DATE (YYYY/MM/DD)	TIME (HH:MM)
BRENDA WOODWARD	Brenda Woodward	2018/04/19	08:30

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ADDITIONAL COOLER TEMPERATURE RECORD

CHAIN-OF-CUSTODY RECORD

CHAIN OF CUSTODY #	
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COOLER OBSERVATIONS:

MAXXAM-JOB#: B888862

CUSTODY SEAL	YES	NO	COOLER ID 1 of 9			
PRESENT			TEMP	1	1	2
INTACT				1	2	3
ICE PRESENT						

CUSTODY SEAL	YES	NO	COOLER ID 2 of 9			
PRESENT			TEMP	0	2	1
INTACT				1	2	3
ICE PRESENT						

CUSTODY SEAL	YES	NO	COOLER ID 3 of 9			
PRESENT			TEMP	0	0	1
INTACT				1	2	3
ICE PRESENT						

CUSTODY SEAL	YES	NO	COOLER ID 4 of 9			
PRESENT			TEMP	1	2	1
INTACT				1	2	3
ICE PRESENT						

CUSTODY SEAL	YES	NO	COOLER ID 5 of 9			
PRESENT			TEMP	2	1	1
INTACT				1	2	3
ICE PRESENT						

CUSTODY SEAL	YES	NO	COOLER ID 6 of 9			
PRESENT			TEMP	0	1	1
INTACT				1	2	3
ICE PRESENT						

CUSTODY SEAL	YES	NO	COOLER ID 7 of 9			
PRESENT			TEMP	2	1	1
INTACT				1	2	3
ICE PRESENT						

CUSTODY SEAL	YES	NO	COOLER ID 8 of 9			
PRESENT			TEMP	1	0	1
INTACT				1	2	3
ICE PRESENT						

CUSTODY SEAL	YES	NO	COOLER ID 9 of 9			
PRESENT			TEMP	0	1	1
INTACT				1	2	3
ICE PRESENT						

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

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

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

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

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

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

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

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

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

RECEIVED BY (SIGN & PRINT)		DATE (YYYY/MM/DD)	TIME (HH:MM)
Pardeep	Pardeep K. Pursend	2018/04/19	12:39

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MICRO

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STANT

19-Apr-18 08:30
Deepthi Shaji
B888862

J_L ENV-726, 879.1211

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ly:

Bottle Order #: 657879

COC #: C#657879-01-01

Project Manager: Deepthi Shaji

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 x Fax: (519) 579-6733 x
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: JK

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 filed filter	Reg 153 PCBs	Reg 153 VOCs & F1-F4	SVOCs	# of Bottles	Comments
1		WG-160900764-201804 18-JK8	Apr 18/18	0931	GW	N/A	✓	✓	✓	—	✓	✓	—	✓	—	—	19	* bact. *
2		WG-160900764-201804 18-JK9		1014	GW		✓	✓	✓	✓	✓	✓	—	✓	—	—		analyze per quote.
3		WG-160900764-201804 18-JK10		1050	GW		✓	✓	✓	✓	✓	✓	✓	—	✓	✓		
4		WG-160900764-201804 18-JK11		1129	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	—		
5		WG-160900764-201804 18-JK12		1220	GW		✓	✓	✓	✓	✓	✓	✓	✓	—	—		
6		WG-160900764-201804 18-JK13		1310	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
7		WG-160900764-201804 18-JK14		1357	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	—		
8		WG-160900764-201804 18-JK15		1510	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	—		
9		WG-160900764-201804 18-JK16		1558	GW		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
10		WG-160900764-201804 ___			GW													

* 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	18/04/18	2035	Received at Lab / Received at Lab	18/04/19 / 2018/04/19	08:30 / 12:39	

Laboratory Use Only: Time Sensitive: ___ Temperature (°C) on Recei: See ACTR

Custody Seal	Yes	No
Present		
Intact	✓	

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

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

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

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

White: Maxxa Yellow: Client

HW # 436104

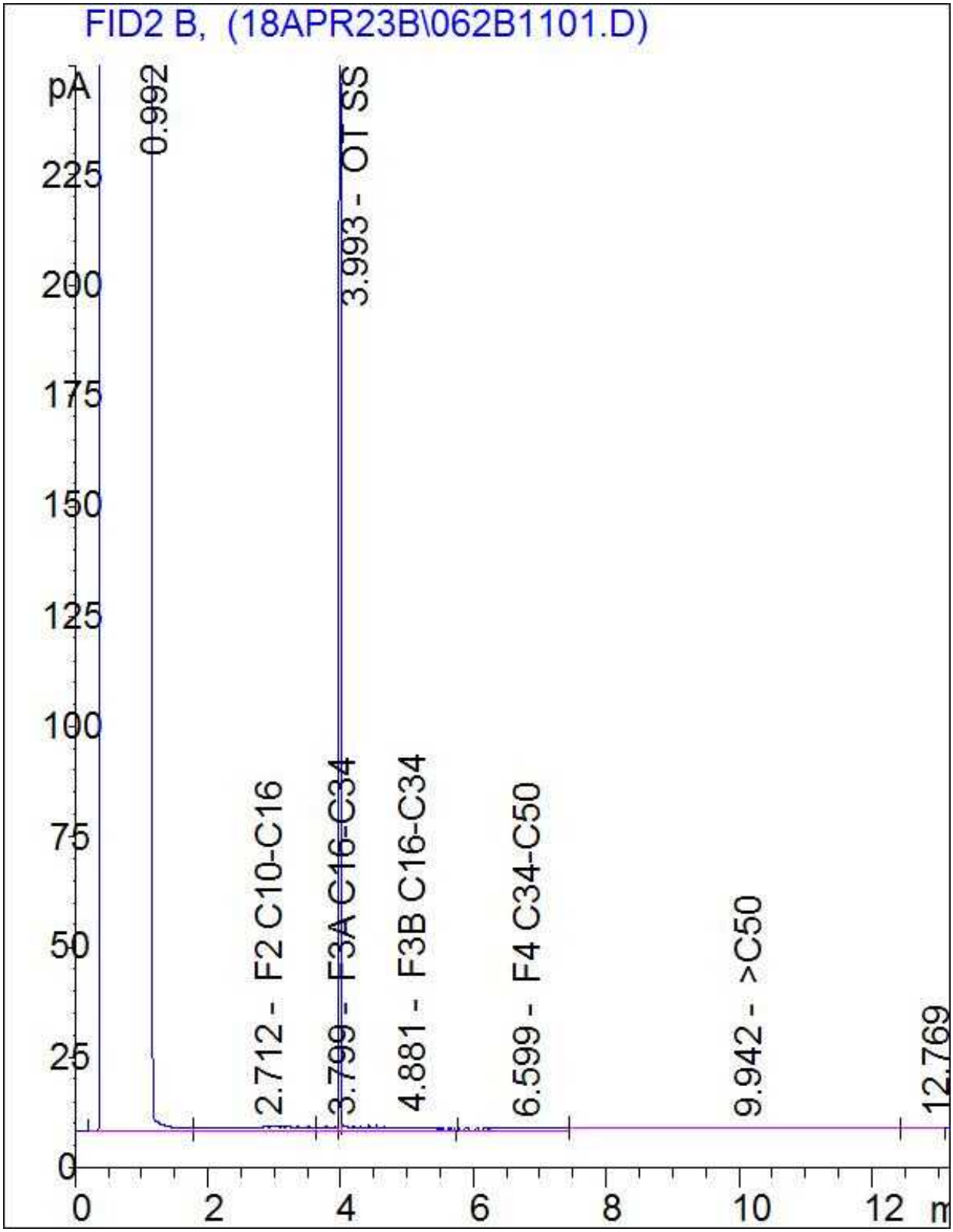
REC'D IN PORT HOPE

Maxxam Analytics International Corporation o/a Maxxam Analytics

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML887

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK8

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

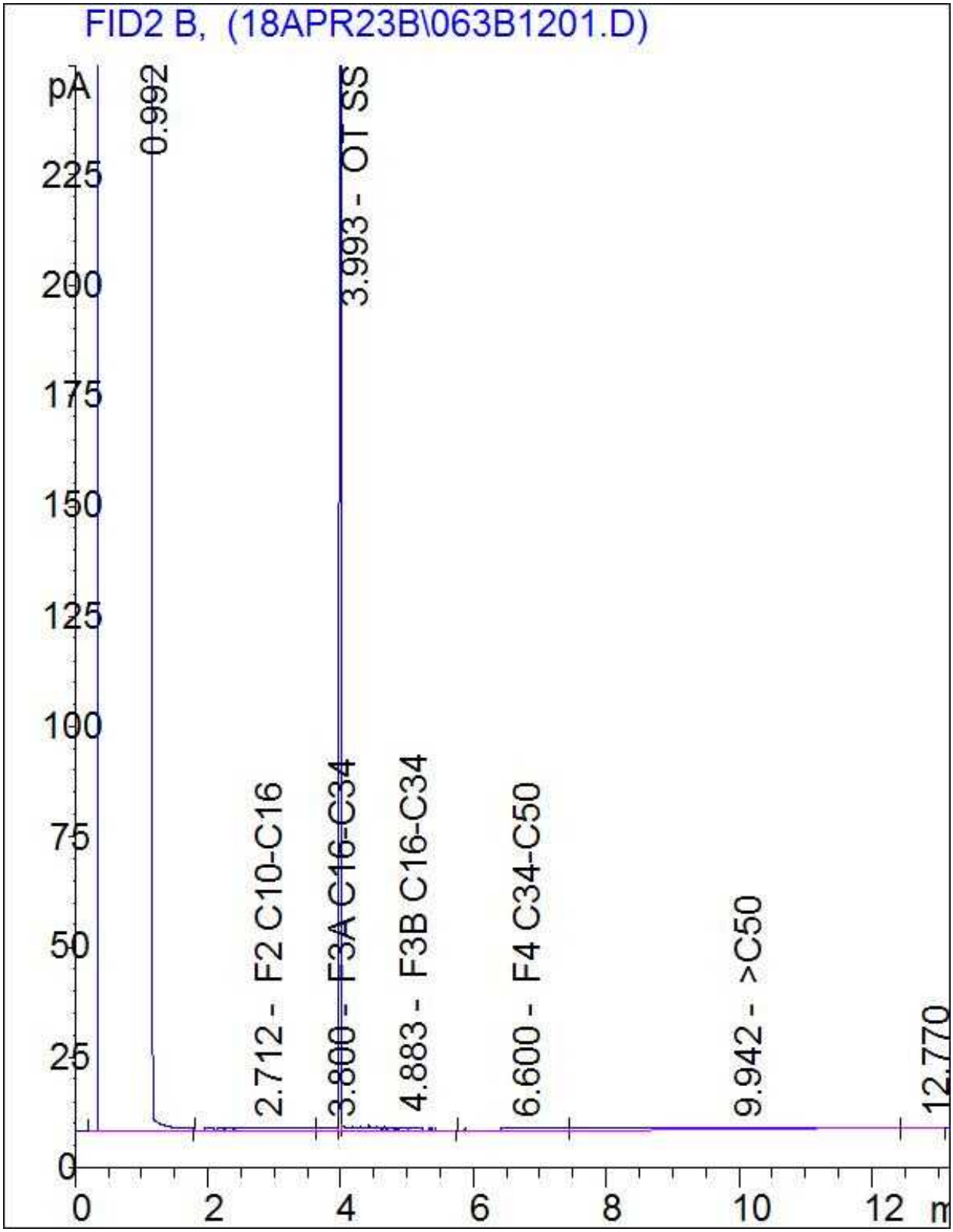


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML888

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK9

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

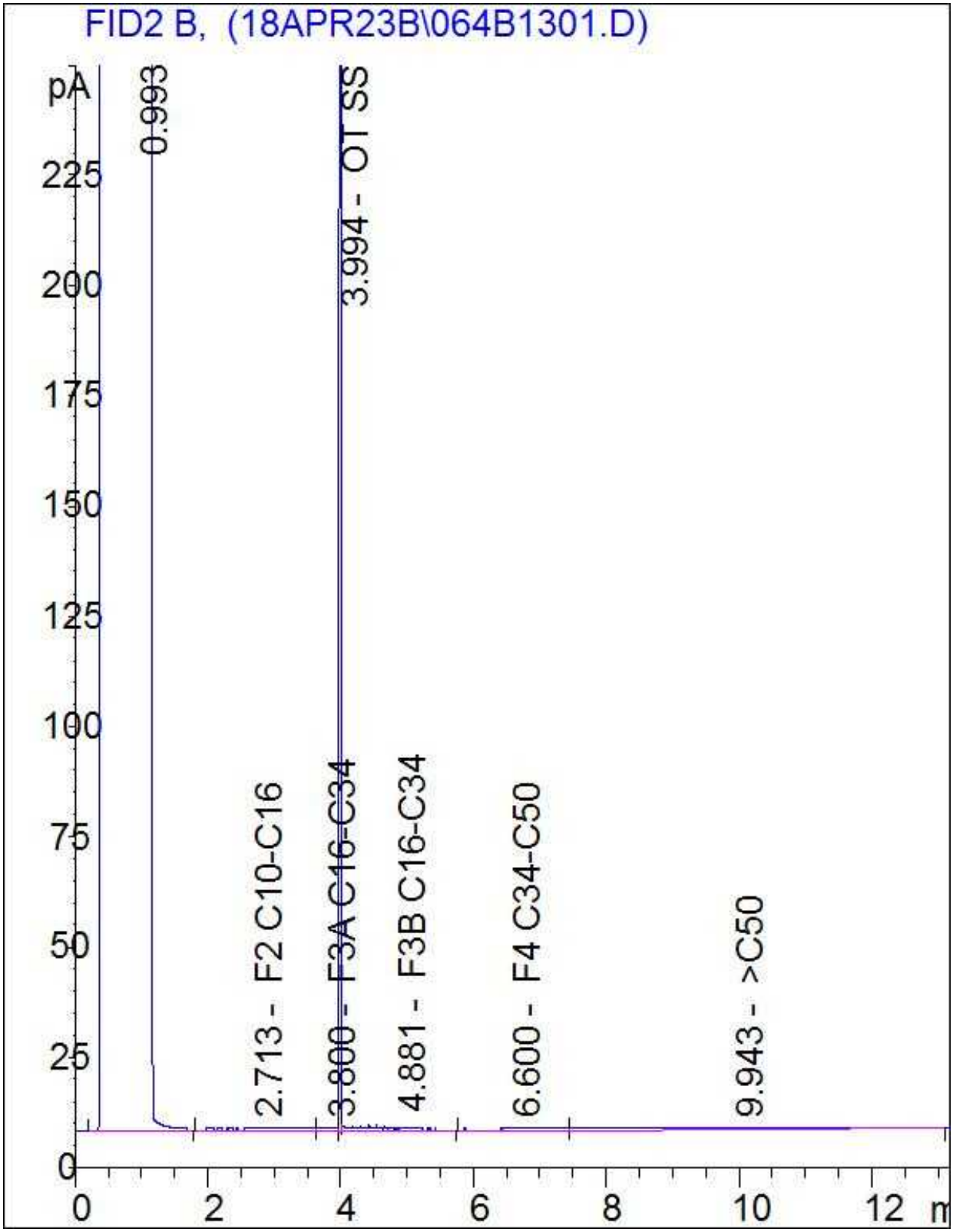


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML888 Lab-Dup

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK9

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

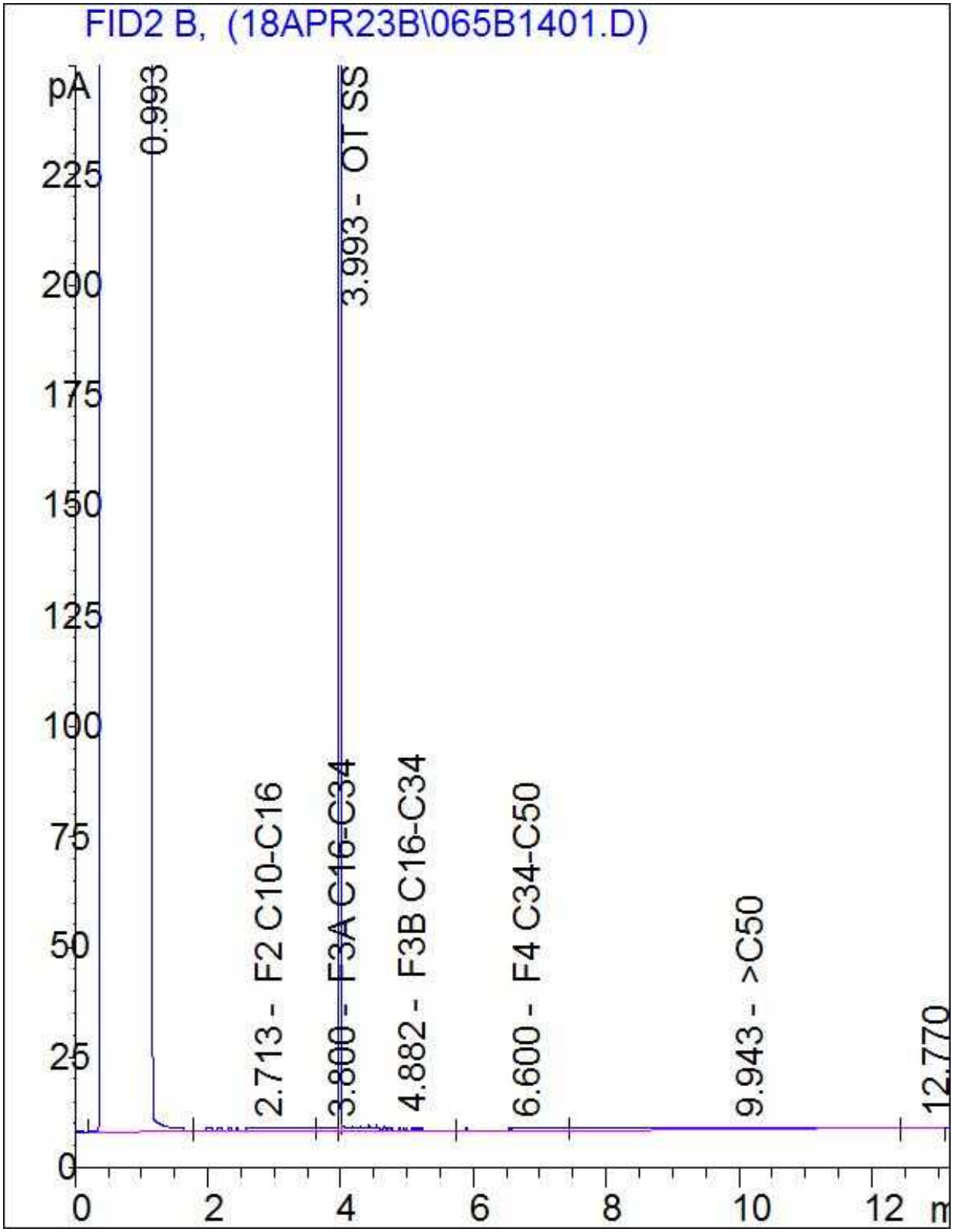


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML889

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK10

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

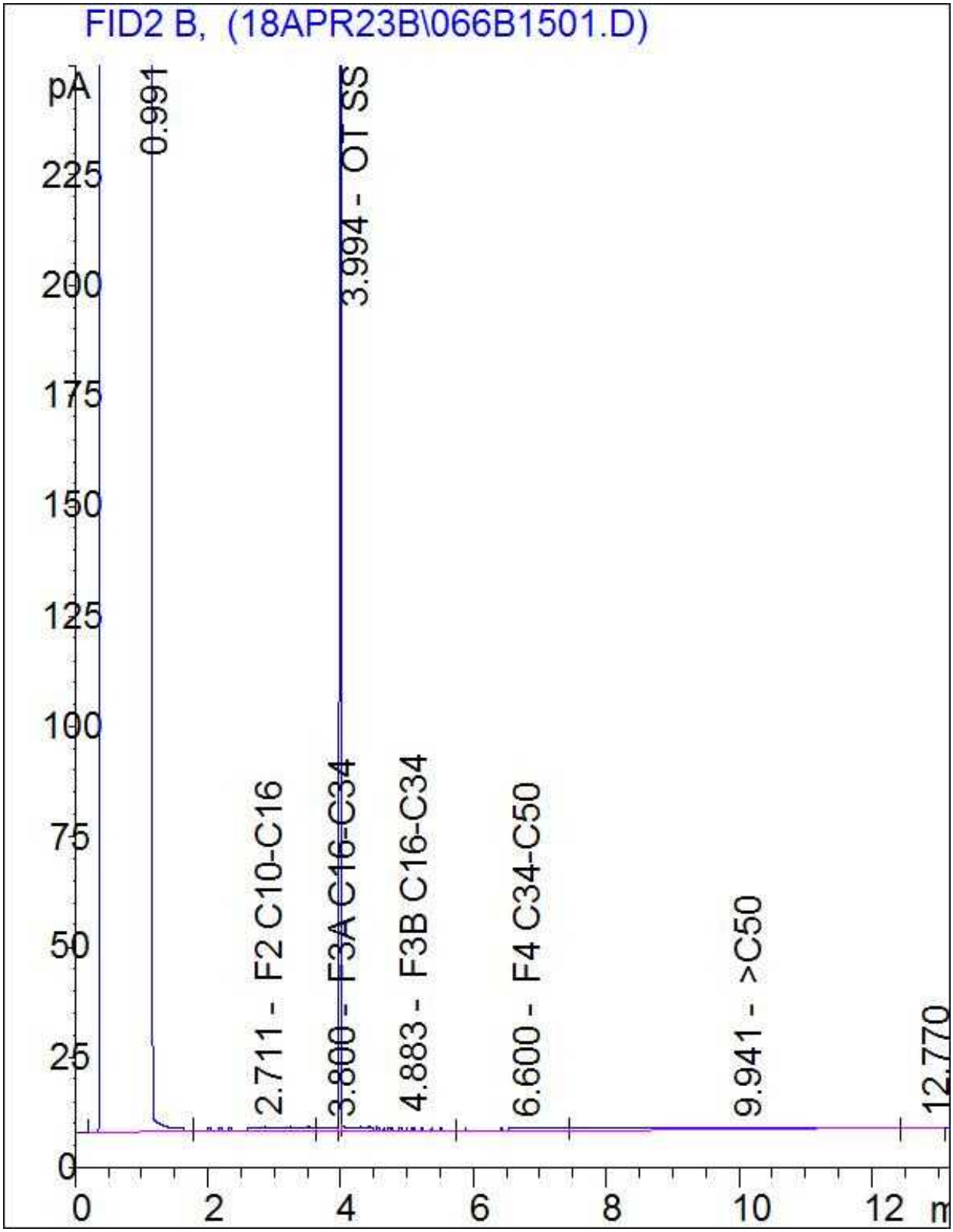


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML890

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK11

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

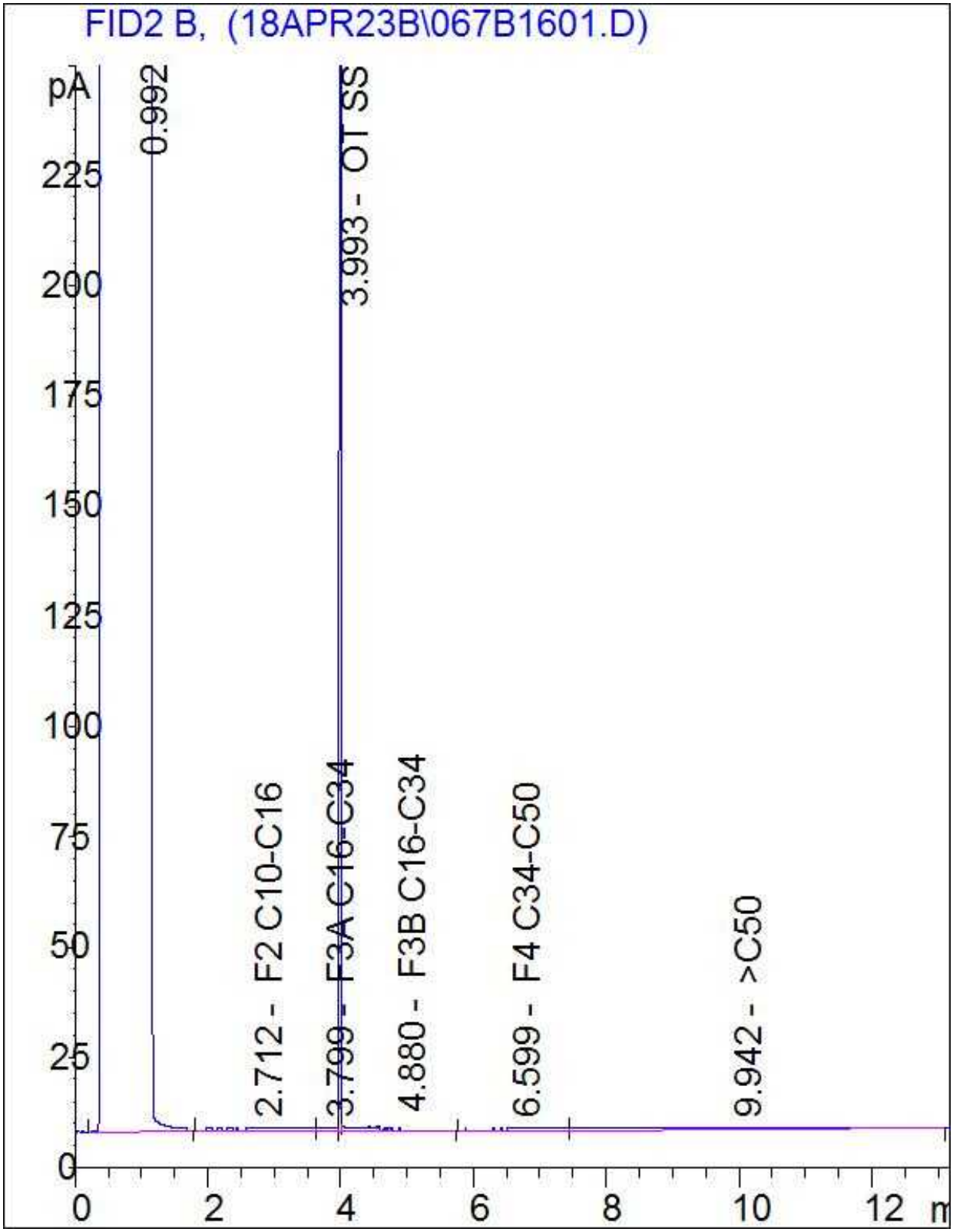


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML892

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK12

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

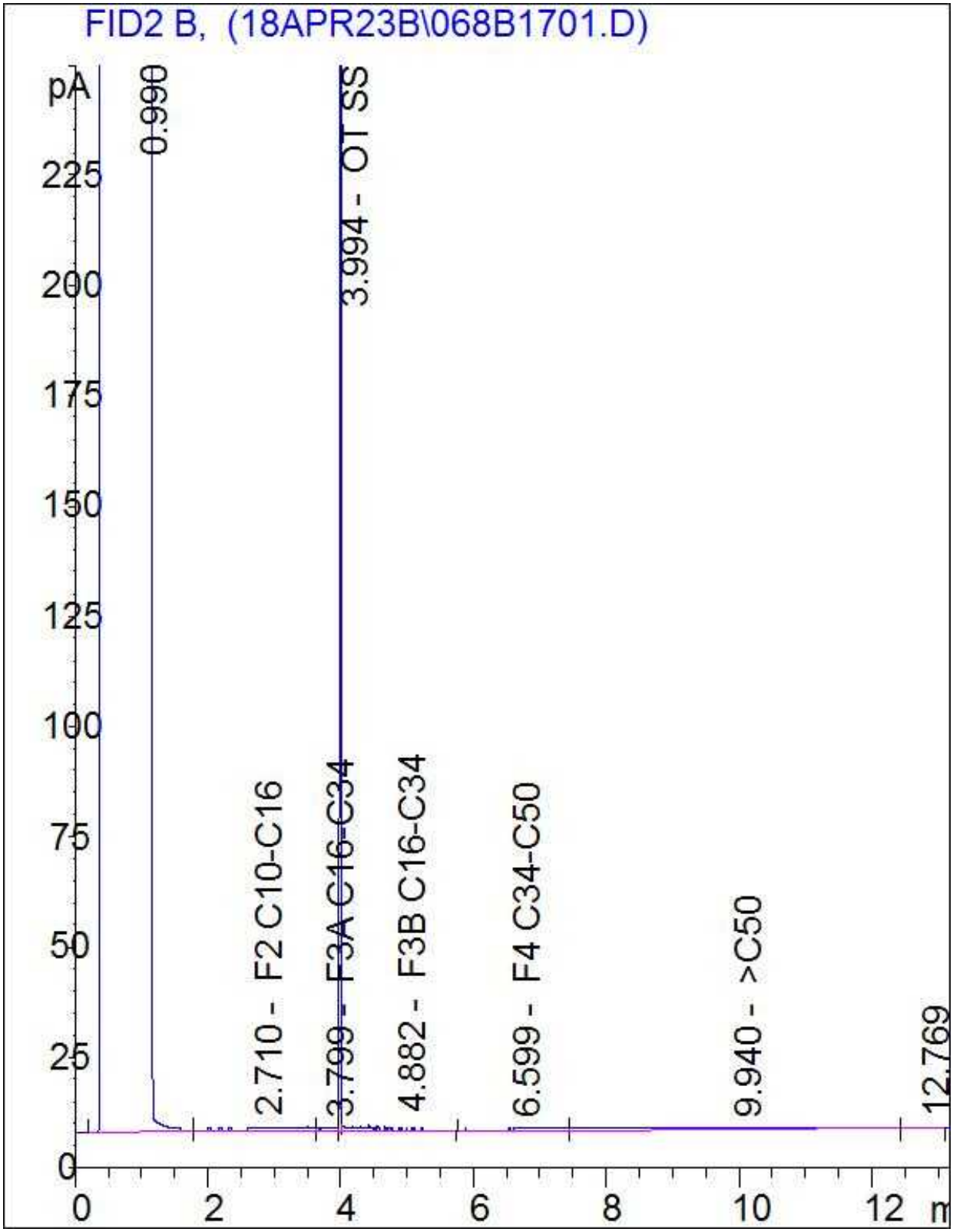


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML893

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK13

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

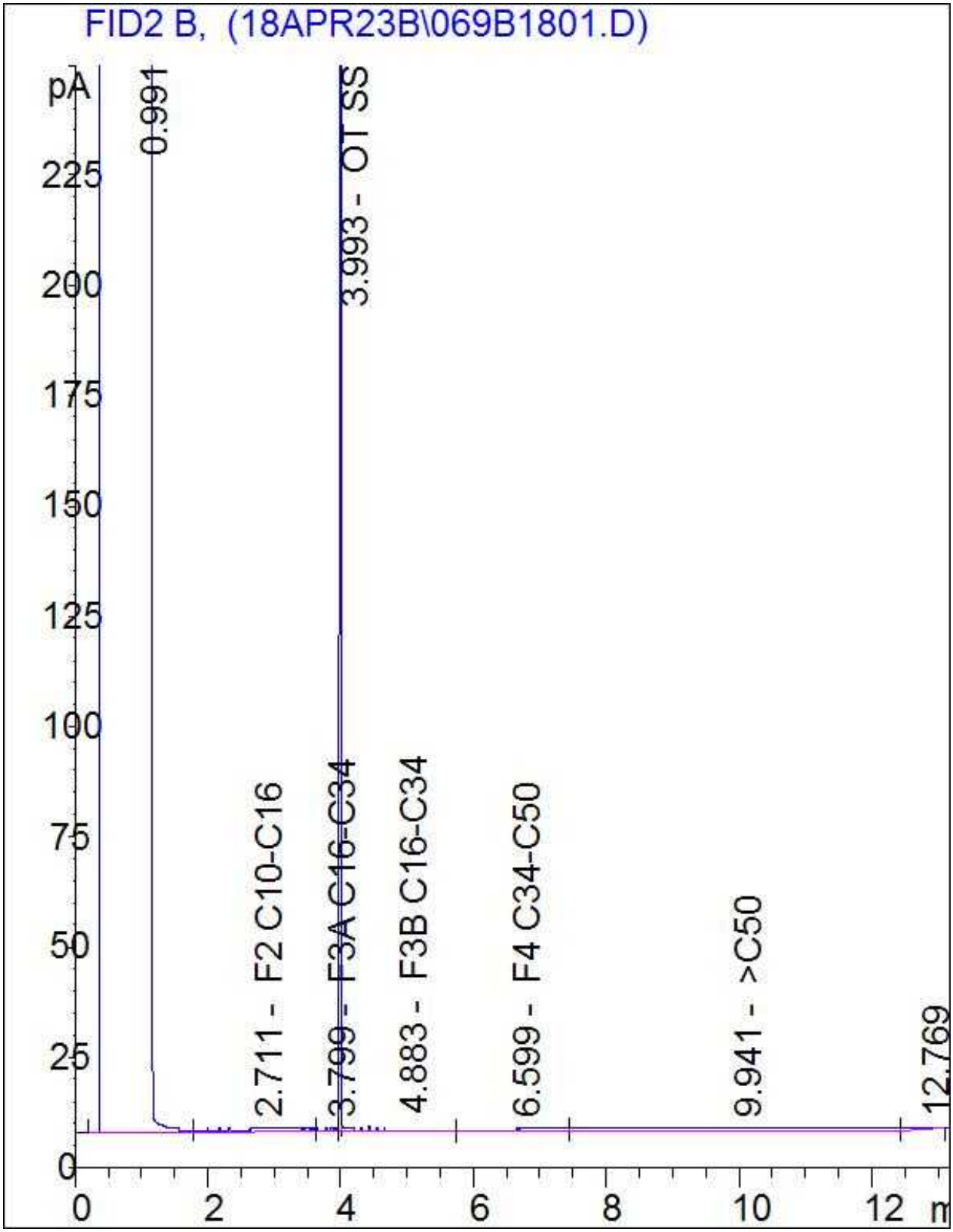


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML894

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK14

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

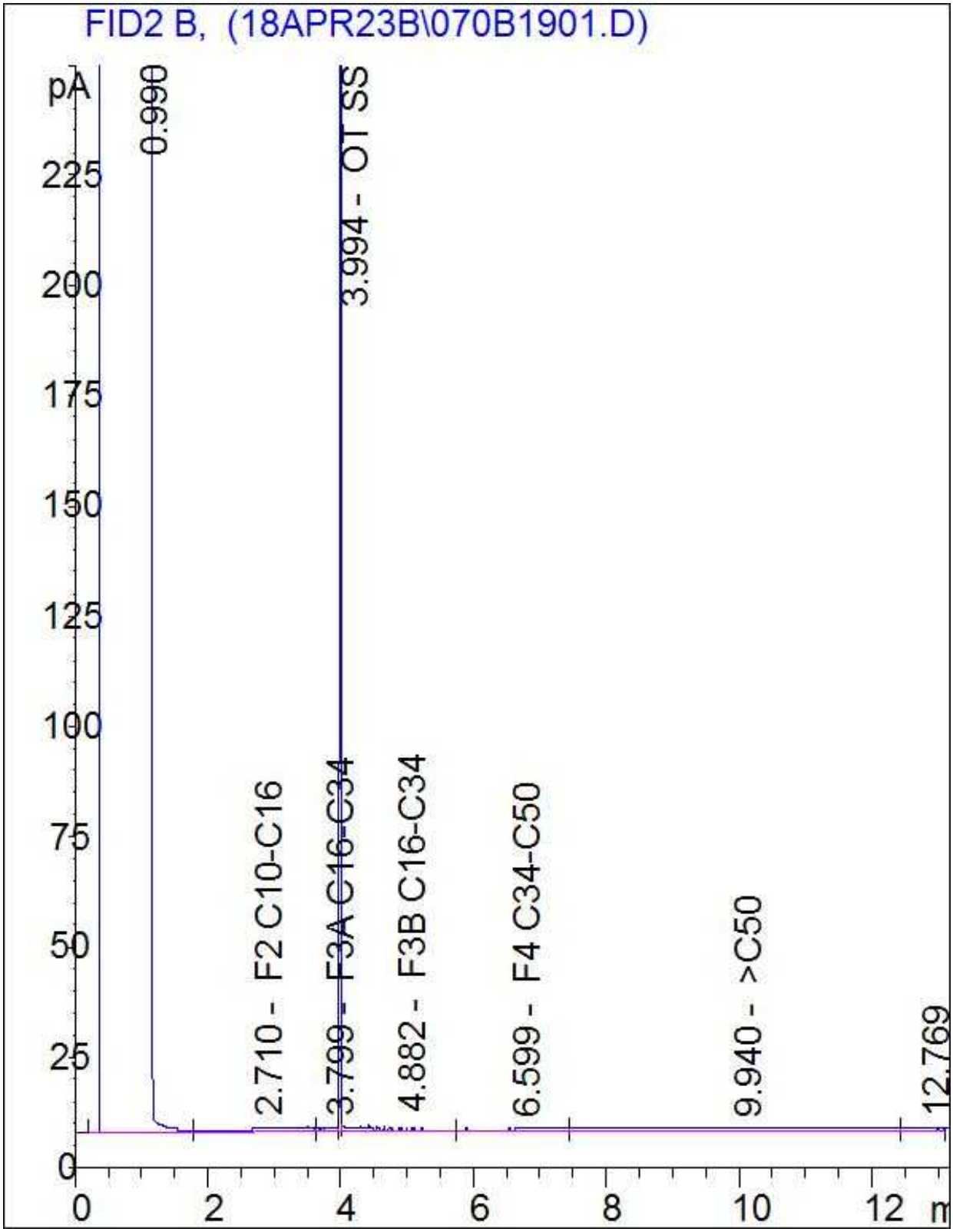


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML895

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK15

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

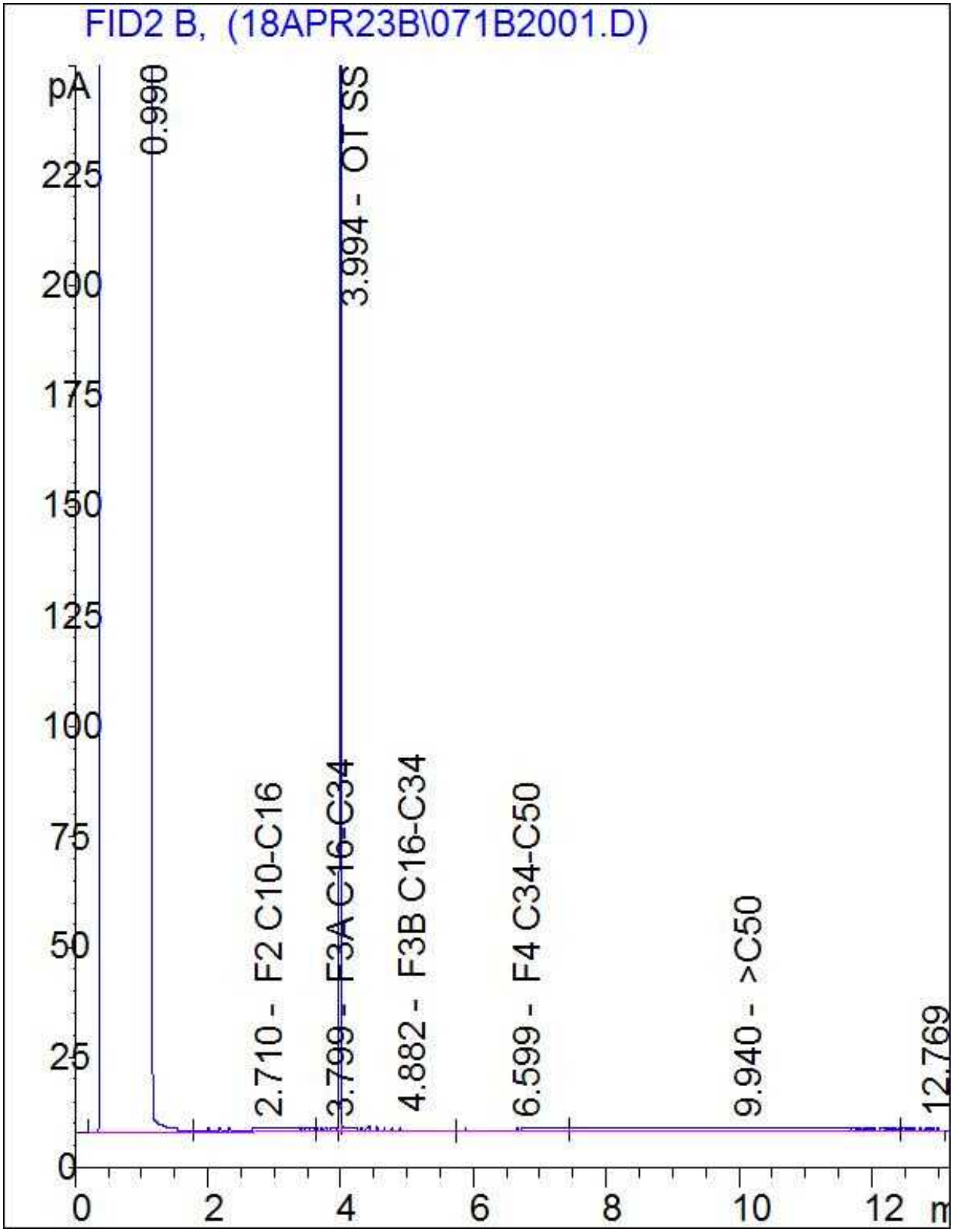


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B888862
Report Date: 2018/04/26
Maxxam Sample: GML896

Stantec Consulting Ltd
Client Project #: 160900764
Project name: CLARINGTON TS - PRIVATE WELL
Client ID: WG-160900764-20180418-JK16

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.