Your C.O.C. #: 553717-01-01

Attention: Greg Feser

Village of Tahsis
977 South Maquinna Drive
Box 219
Tahsis, BC
Canada V0P 1X0

Report Date: 2018/07/03
Report #: R2582321
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B849593
Received: 2018/06/21, 08:20

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Chloride by Automated Colourimetry	1	N/A	2018/06/21	BBY6SOP-00011	SM 22 4500-Cl- E m
Conductance - water	1	N/A	2018/06/22	BBY6SOP-00026	SM 22 2510 B m
EPH in Water when PAH required	1	2018/06/21	2018/06/22	BBY8SOP-00029	BCMOE BCLM Mar 2017
Nitrate + Nitrite (N)	1	N/A	2018/06/21	BBY6SOP-00010	SM 23 4500-NO3- I m
Nitrite (N) by CFA	1	N/A	2018/06/21	BBY6SOP-00010	SM 22 4500-NO3- I m
Nitrogen - Nitrate (as N)	1	N/A	2018/06/22	BBY WI-00033	Auto Calc
PAH in Water by GC/MS (SIM)	1	2018/06/21	2018/06/22	BBY8SOP-00021	BCMOE BCLM Jul2017m
Total LMW, HMW, Total PAH Calc (4)	1	N/A	2018/06/25	BBY WI-00033	Auto Calc
pH Water (5)	1	N/A	2018/06/22	BBY6SOP-00026	SM 22 4500-H+ B m
Phenols (4-AAP) (1)	1	N/A	2018/06/25	CAL SOP-00067	EPA 9066 R0 m
Phenoxyalkyl acid Pesticides (1)	1	2018/06/26	2018/06/26	CAL SOP-00094	EPA 8151 R1 m
Sulphate by Automated Colourimetry	1	N/A	2018/06/22	BBY6SOP-00017	SM 22 4500-SO42- E m
Total Dissolved Solids (Filt. Residue)	1	2018/06/26	2018/06/27	BBY6SOP-00033	SM 22 2540 C m
EPH less PAH in Water by GC/FID	1	N/A	2018/06/26	BBY WI-00033	Auto Calc
Tannin & Lignin (Total)	1	N/A	2018/06/28	BBY6SOP-00023	SM-5550B m
Carbon (Total Organic) (6)	1	N/A	2018/06/22	BBY6SOP-00003	SM 22 5310 C m
VOCs, VH, F1, LH in Water by HS GC/MS	1	N/A	2018/06/22	BBY8SOP-00009/11/12	BCMOE BCLM Jul 2017
Volatile HC-BTEX	1	N/A	2018/06/22	BBY WI-00033	Auto Calc
Glyphosate Water Subcontract (2)	1	2018/07/03	2018/07/03	CAM SOP-00305	HPLC/FLD
Pesticides in Water by LCMS Subcontract (2)	1	2018/07/03	2018/07/03	CAM SOP-00307	EPA 8081A(1)
RFA Water Subcontract (3)	1	2018/06/28	2018/06/28		

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.

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CERTIFICATE OF ANALYSIS

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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.

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 Calgary Environmental
(2) This test was performed by Maxxam Ontario (From Burnaby)
(3) This test was performed by Maxxam Montreal (From Burnaby)
(4) Total PAHs in Water include: Quinoline, Naphthalene, 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Acridine, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b&j)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, and Benzo(g,h,i)perylene.
(5) The BC-MOE and APHA Standard Method require pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the BC-MOE/APHA Standard Method holding time.
(6) TOC present in the sample should be considered as non-purgeable TOC.

Encryption Key

Tanya Eugine
Project Manager
03 Jul 2018 17:19:37

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
BC Env Customer Service, BC Environmental Customer Service
Email: Enviro.CS.BC@maxxam.ca
Phone# (604) 734 7276

==========

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

Maxxam Job #: B849593
Report Date: 2018/07/03

Village of Tahsis

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID					TR7084		
Sampling Date					2018/06/20 08:00		
COC Number					553717-01-01		
	UNITS	MAC	AO	OG	COMMUNITY WELL # 1	RDL	QC Batch
Parameter							
Subcontract Parameter	N/A	-	-	-	ATTACHED	N/A	9048659
ANIONS							
Nitrite (N)	mg/L	1	-	-	<0.0050	0.0050	9034852
Calculated Parameters							
Nitrate (N)	mg/L	10	-	-	0.085	0.020	9033761
Misc. Inorganics							
Total Organic Carbon (C)	mg/L	-	-	-	<0.50	0.50	9036014
Anions							
Dissolved Sulphate (SO4)	mg/L	-	500	-	4.9	1.0	9039175
Dissolved Chloride (Cl)	mg/L	-	250	-	1.6	1.0	9035744
MISCELLANEOUS							
Tannins and Lignins	mg/L	-	-	-	<0.10	0.10	9042251
Nutrients							
Nitrate plus Nitrite (N)	mg/L	-	-	-	0.085	0.020	9034849
Misc. Organics							
Phenols	mg/L	-	-	-	<0.0020	0.0020	9037813
Physical Properties							
Conductivity	uS/cm	-	-	-	94.7	2.0	9037435
pH	pH	-	-	7.0:10.5	7.87		9037433
Physical Properties							
Total Dissolved Solids	mg/L	-	500	-	48	10	9039796
Internal Sublet Analysis							
Subcontract Parameter	N/A	-	-	-	ATTACHED	N/A	9048660

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
N/A = Not Applicable

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Maxxam Job #: B849593
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Village of Tahsis

PHENOXYALKYL ACID PESTICIDES/HERBICIDES (WATER)

Maxxam ID				TR7084		
Sampling Date				2018/06/20 08:00		
COC Number				553717-01-01		
	UNITS	MAC	AO	COMMUNITY WELL # 1	RDL	QC Batch
Phenoxyalkyl acid Pest.						
3,5-dichlorobenzoic acid	ug/L	-	-	<0.080	0.080	9039534
Dicamba	ug/L	120	-	<0.0050	0.0050	9039534
MCPP	ug/L	-	-	<0.080	0.080	9039534
MCPA	ug/L	100	-	<0.020	0.020	9039534
Dichlorprop	ug/L	-	-	<0.080	0.080	9039534
Bromoxynil	ug/L	5	-	<0.020	0.020	9039534
2,4-D	ug/L	100	-	<0.050	0.050	9039534
Pentachlorophenol	ug/L	60	30	<0.080	0.080	9039534
2,4,5-TP	ug/L	-	-	<0.080	0.080	9039534
2,4,5-T	ug/L	-	-	<0.080	0.080	9039534
Chloramben	ug/L	-	-	<0.080	0.080	9039534
Dinoseb (DNBP)	ug/L	-	-	<0.020	0.020	9039534
Bentazon	ug/L	-	-	<0.080	0.080	9039534
2,4-DB	ug/L	-	-	<0.080	0.080	9039534
Picloram	ug/L	190	-	<0.080	0.080	9039534
Diclofop-methyl	ug/L	9	-	<0.080	0.080	9039534
Surrogate Recovery (%)						
2,4-Dichlorophenyl Acetic Acid	%	-	-	93		9039534

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit

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Village of Tahsis

LEPH & HEPH WITH CSR/CCME PAH IN WATER (WATER)

Maxxam ID			TR7084		
Sampling Date			2018/06/20 08:00		
COC Number			553717-01-01		
	UNITS	MAC	COMMUNITY WELL # 1	RDL	QC Batch
Calculated Parameters					
Low Molecular Weight PAH`s	ug/L	-	<0.10	0.10	9034126
High Molecular Weight PAH`s	ug/L	-	<0.050	0.050	9034126
Total PAH	ug/L	-	<0.10	0.10	9034126
Polycyclic Aromatics					
Quinoline	ug/L	-	<0.020	0.020	9034722
Naphthalene	ug/L	-	<0.10	0.10	9034722
1-Methylnaphthalene	ug/L	-	<0.050	0.050	9034722
2-Methylnaphthalene	ug/L	-	<0.10	0.10	9034722
Acenaphthylene	ug/L	-	<0.050	0.050	9034722
Acenaphthene	ug/L	-	<0.050	0.050	9034722
Fluorene	ug/L	-	<0.050	0.050	9034722
Phenanthrene	ug/L	-	<0.050	0.050	9034722
Anthracene	ug/L	-	<0.010	0.010	9034722
Acridine	ug/L	-	<0.050	0.050	9034722
Fluoranthene	ug/L	-	<0.020	0.020	9034722
Pyrene	ug/L	-	<0.020	0.020	9034722
Benzo(a)anthracene	ug/L	-	<0.010	0.010	9034722
Chrysene	ug/L	-	<0.020	0.020	9034722
Benzo(b&j)fluoranthene	ug/L	-	<0.030	0.030	9034722
Benzo(k)fluoranthene	ug/L	-	<0.050	0.050	9034722
Benzo(a)pyrene	ug/L	0.04	<0.0050	0.0050	9034722
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	0.050	9034722
Dibenz(a,h)anthracene	ug/L	-	<0.0030	0.0030	9034722
Benzo(g,h,i)perylene	ug/L	-	<0.050	0.050	9034722
Calculated Parameters					
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	0.20	9034129
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	0.20	9034129
Ext. Pet. Hydrocarbon					
EPH (C10-C19)	mg/L	-	<0.20	0.20	9034742
EPH (C19-C32)	mg/L	-	<0.20	0.20	9034742
Surrogate Recovery (%)					
O-TERPHENYL (sur.)	%	-	99		9034742
D10-ANTHRACENE (sur.)	%	-	88		9034722

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit

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Village of Tahsis

LEPH & HEPH WITH CSR/CCME PAH IN WATER (WATER)

Maxxam ID			TR7084		
Sampling Date			2018/06/20 08:00		
COC Number			553717-01-01		
	UNITS	MAC	COMMUNITY WELL # 1	RDL	QC Batch
D8-ACENAPHTHYLENE (sur.)	%	-	94		9034722
D8-NAPHTHALENE (sur.)	%	-	92		9034722
TERPHENYL-D14 (sur.)	%	-	100		9034722

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
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Village of Tahsis

CSR VOC + VPH IN WATER (WATER)

Maxxam ID				TR7084		
Sampling Date				2018/06/20 08:00		
COC Number				553717-01-01		
	UNITS	MAC	AO	COMMUNITY WELL # 1	RDL	QC Batch
Calculated Parameters						
VPH (VH6 to 10 - BTEX)	ug/L	-	-	<300	300	9034015
Volatiles						
VH C6-C10	ug/L	-	-	<300	300	9034689
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	0.50	9034689
1,1,1-trichloroethane	ug/L	-	-	<0.50	0.50	9034689
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	0.50	9034689
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	2.0	9034689
1,1,2-trichloroethane	ug/L	-	-	<0.50	0.50	9034689
1,1-dichloroethane	ug/L	-	-	<0.50	0.50	9034689
1,1-dichloroethene	ug/L	14	-	<0.50	0.50	9034689
1,2-dichlorobenzene	ug/L	200	3	<0.50	0.50	9034689
1,2-dichloroethane	ug/L	5	-	<0.50	0.50	9034689
1,2-dichloropropane	ug/L	-	-	<0.50	0.50	9034689
1,3-Butadiene	ug/L	-	-	<0.50	0.50	9034689
1,3-dichlorobenzene	ug/L	-	-	<0.50	0.50	9034689
1,4-dichlorobenzene	ug/L	5	1	<0.50	0.50	9034689
Benzene	ug/L	5	-	<0.40	0.40	9034689
Bromobenzene	ug/L	-	-	<2.0	2.0	9034689
Bromodichloromethane	ug/L	-	-	<1.0	1.0	9034689
Bromoform	ug/L	-	-	<1.0	1.0	9034689
Bromomethane	ug/L	-	-	<1.0	1.0	9034689
Carbon tetrachloride	ug/L	2	-	<0.50	0.50	9034689
Chlorobenzene	ug/L	80	30	<0.50	0.50	9034689
Chlorodibromomethane	ug/L	-	-	<1.0	1.0	9034689
Chloroethane	ug/L	-	-	<1.0	1.0	9034689
Chloroform	ug/L	-	-	<1.0	1.0	9034689
Chloromethane	ug/L	-	-	<1.0	1.0	9034689
cis-1,2-dichloroethene	ug/L	-	-	<1.0	1.0	9034689
cis-1,3-dichloropropene	ug/L	-	-	<1.0	1.0	9034689
Dibromomethane	ug/L	-	-	<0.90	0.90	9034689
Dichlorodifluoromethane	ug/L	-	-	<2.0	2.0	9034689
Dichloromethane	ug/L	50	-	<2.0	2.0	9034689
Ethylbenzene	ug/L	140	1.6	<0.40	0.40	9034689

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Village of Tahsis

CSR VOC + VPH IN WATER (WATER)

Maxxam ID				TR7084		
Sampling Date				2018/06/20 08:00		
COC Number				553717-01-01		
	UNITS	MAC	AO	COMMUNITY WELL # 1	RDL	QC Batch
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	4.0	9034689
Styrene	ug/L	-	-	<0.50	0.50	9034689
Tetrachloroethene	ug/L	10	-	<0.50	0.50	9034689
Toluene	ug/L	60	24	<0.40	0.40	9034689
trans-1,2-dichloroethene	ug/L	-	-	<1.0	1.0	9034689
trans-1,3-dichloropropene	ug/L	-	-	<1.0	1.0	9034689
Trichloroethene	ug/L	5	-	<0.50	0.50	9034689
Trichlorofluoromethane	ug/L	-	-	<4.0	4.0	9034689
Vinyl chloride	ug/L	2	-	<0.50	0.50	9034689
m & p-Xylene	ug/L	-	-	<0.40	0.40	9034689
o-Xylene	ug/L	-	-	<0.40	0.40	9034689
Xylenes (Total)	ug/L	90	20	<0.40	0.40	9034689
Surrogate Recovery (%)						
1,4-Difluorobenzene (sur.)	%	-	-	100		9034689
4-Bromofluorobenzene (sur.)	%	-	-	101		9034689
D4-1,2-Dichloroethane (sur.)	%	-	-	110		9034689

No Fill	No Exceedance
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GENERAL COMMENTS

MAC,AO,OG: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, February 2017.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:
1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.
4. To ensure effectiveness of disinfection and for good operation of the distribution system, it is recommended that water entering the distribution system have turbidity levels of 1.0 NTU or less.

Results relate only to the items tested.

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Maxxam Job #: B849593
Report Date: 2018/07/03

QUALITY ASSURANCE REPORT

Village of Tahsis

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9034689	1,4-Difluorobenzene (sur.)	2018/06/22	100	70 - 130	100	70 - 130	99	%		
9034689	4-Bromofluorobenzene (sur.)	2018/06/22	110	70 - 130	110	70 - 130	97	%		
9034689	D4-1,2-Dichloroethane (sur.)	2018/06/22	115	70 - 130	112	70 - 130	100	%		
9034722	D10-ANTHRACENE (sur.)	2018/06/22	85	50 - 140	89	50 - 140	90	%		
9034722	D8-ACENAPHTHYLENE (sur.)	2018/06/22	87	50 - 140	92	50 - 140	96	%		
9034722	D8-NAPHTHALENE (sur.)	2018/06/22	75	50 - 140	87	50 - 140	89	%		
9034722	TERPHENYL-D14 (sur.)	2018/06/22	87	50 - 140	97	50 - 140	99	%		
9034742	O-TERPHENYL (sur.)	2018/06/22	99	60 - 140	96	60 - 140	97	%		
9039534	2,4-Dichlorophenyl Acetic Acid	2018/06/26			66	50 - 140	134	%		
9034689	1,1,1,2-tetrachloroethane	2018/06/22	104	70 - 130	103	70 - 130	<0.50	ug/L		
9034689	1,1,1-trichloroethane	2018/06/22	106	70 - 130	103	70 - 130	<0.50	ug/L		
9034689	1,1,2,2-tetrachloroethane	2018/06/22	102	70 - 130	95	70 - 130	<0.50	ug/L		
9034689	1,1,2Trichloro-1,2,2Trifluoroethane	2018/06/22	105	70 - 130	104	70 - 130	<2.0	ug/L		
9034689	1,1,2-trichloroethane	2018/06/22	106	70 - 130	104	70 - 130	<0.50	ug/L		
9034689	1,1-dichloroethane	2018/06/22	106	70 - 130	104	70 - 130	<0.50	ug/L		
9034689	1,1-dichloroethene	2018/06/22	105	70 - 130	103	70 - 130	<0.50	ug/L		
9034689	1,2-dichlorobenzene	2018/06/22	102	70 - 130	97	70 - 130	<0.50	ug/L		
9034689	1,2-dichloroethane	2018/06/22	100	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
9034689	1,2-dichloropropane	2018/06/22	107	70 - 130	105	70 - 130	<0.50	ug/L		
9034689	1,3-Butadiene	2018/06/22	113	70 - 130	108	70 - 130	<0.50	ug/L	NC	30
9034689	1,3-dichlorobenzene	2018/06/22	101	70 - 130	98	70 - 130	<0.50	ug/L		
9034689	1,4-dichlorobenzene	2018/06/22	99	70 - 130	97	70 - 130	<0.50	ug/L		
9034689	Benzene	2018/06/22	106	70 - 130	104	70 - 130	<0.40	ug/L		
9034689	Bromobenzene	2018/06/22	102	70 - 130	99	70 - 130	<2.0	ug/L		
9034689	Bromodichloromethane	2018/06/22	105	70 - 130	104	70 - 130	<1.0	ug/L		
9034689	Bromoform	2018/06/22	98	70 - 130	94	70 - 130	<1.0	ug/L		
9034689	Bromomethane	2018/06/22	79	60 - 140	91	60 - 140	<1.0	ug/L		
9034689	Carbon tetrachloride	2018/06/22	108	70 - 130	107	70 - 130	<0.50	ug/L		
9034689	Chlorobenzene	2018/06/22	101	70 - 130	104	70 - 130	<0.50	ug/L		
9034689	Chlorodibromomethane	2018/06/22	104	70 - 130	103	70 - 130	<1.0	ug/L		
9034689	Chloroethane	2018/06/22	108	60 - 140	82	60 - 140	<1.0	ug/L		
9034689	Chloroform	2018/06/22	104	70 - 130	102	70 - 130	<1.0	ug/L		

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QUALITY ASSURANCE REPORT(CONT'D)

Village of Tahsis

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9034689	Chloromethane	2018/06/22	119	60 - 140	110	60 - 140	<1.0	ug/L		
9034689	cis-1,2-dichloroethene	2018/06/22	107	70 - 130	105	70 - 130	<1.0	ug/L		
9034689	cis-1,3-dichloropropene	2018/06/22	94	70 - 130	92	70 - 130	<1.0	ug/L		
9034689	Dibromomethane	2018/06/22	106	70 - 130	103	70 - 130	<0.90	ug/L		
9034689	Dichlorodifluoromethane	2018/06/22	105	60 - 140	101	60 - 140	<2.0	ug/L		
9034689	Dichloromethane	2018/06/22	110	70 - 130	107	70 - 130	<2.0	ug/L		
9034689	Ethylbenzene	2018/06/22	103	70 - 130	102	70 - 130	<0.40	ug/L		
9034689	m & p-Xylene	2018/06/22	104	70 - 130	103	70 - 130	<0.40	ug/L		
9034689	Methyl-tert-butylether (MTBE)	2018/06/22	101	70 - 130	102	70 - 130	<4.0	ug/L		
9034689	o-Xylene	2018/06/22	104	70 - 130	104	70 - 130	<0.40	ug/L		
9034689	Styrene	2018/06/22	104	70 - 130	105	70 - 130	<0.50	ug/L		
9034689	Tetrachloroethene	2018/06/22	105	70 - 130	102	70 - 130	<0.50	ug/L		
9034689	Toluene	2018/06/22	100	70 - 130	99	70 - 130	<0.40	ug/L		
9034689	trans-1,2-dichloroethene	2018/06/22	104	70 - 130	101	70 - 130	<1.0	ug/L		
9034689	trans-1,3-dichloropropene	2018/06/22	91	70 - 130	87	70 - 130	<1.0	ug/L		
9034689	Trichloroethene	2018/06/22	104	70 - 130	102	70 - 130	<0.50	ug/L		
9034689	Trichlorofluoromethane	2018/06/22	104	60 - 140	104	60 - 140	<4.0	ug/L		
9034689	VH C6-C10	2018/06/22			94	70 - 130	<300	ug/L		
9034689	Vinyl chloride	2018/06/22	125	60 - 140	118	60 - 140	<0.50	ug/L		
9034689	Xylenes (Total)	2018/06/22					<0.40	ug/L		
9034722	1-Methylnaphthalene	2018/06/22	90	50 - 140	89	50 - 140	<0.050	ug/L	NC	40
9034722	2-Methylnaphthalene	2018/06/22	88	50 - 140	85	50 - 140	<0.10	ug/L	NC	40
9034722	Acenaphthene	2018/06/22	86	50 - 140	85	50 - 140	<0.050	ug/L	NC	40
9034722	Acenaphthylene	2018/06/22	84	50 - 140	84	50 - 140	<0.050	ug/L	NC	40
9034722	Acridine	2018/06/22	95	50 - 140	90	50 - 140	<0.050	ug/L	NC	40
9034722	Anthracene	2018/06/22	82	50 - 140	85	50 - 140	<0.010	ug/L	NC	40
9034722	Benzo(a)anthracene	2018/06/22	54	50 - 140	85	50 - 140	<0.010	ug/L	NC	40
9034722	Benzo(a)pyrene	2018/06/22	35 (1)	50 - 140	89	50 - 140	<0.0050	ug/L	NC	40
9034722	Benzo(b&j)fluoranthene	2018/06/22	34 (1)	50 - 140	90	50 - 140	<0.030	ug/L	NC	40
9034722	Benzo(g,h,i)perylene	2018/06/22	26 (1)	50 - 140	83	50 - 140	<0.050	ug/L	NC	40
9034722	Benzo(k)fluoranthene	2018/06/22	36 (1)	50 - 140	87	50 - 140	<0.050	ug/L	NC	40
9034722	Chrysene	2018/06/22	55	50 - 140	86	50 - 140	<0.020	ug/L	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

Village of Tahsis

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9034722	Dibenz(a,h)anthracene	2018/06/22	29 (1)	50 - 140	88	50 - 140	<0.0030	ug/L	NC	40
9034722	Fluoranthene	2018/06/22	82	50 - 140	87	50 - 140	<0.020	ug/L	NC	40
9034722	Fluorene	2018/06/22	84	50 - 140	81	50 - 140	<0.050	ug/L	NC	40
9034722	Indeno(1,2,3-cd)pyrene	2018/06/22	28 (1)	50 - 140	86	50 - 140	<0.050	ug/L	NC	40
9034722	Naphthalene	2018/06/22	95	50 - 140	94	50 - 140	<0.10	ug/L	NC	40
9034722	Phenanthrene	2018/06/22	81	50 - 140	79	50 - 140	<0.050	ug/L	NC	40
9034722	Pyrene	2018/06/22	84	50 - 140	90	50 - 140	<0.020	ug/L	NC	40
9034722	Quinoline	2018/06/22	108	50 - 140	103	50 - 140	<0.020	ug/L	NC	40
9034742	EPH (C10-C19)	2018/06/22	121	60 - 140	102	70 - 130	<0.20	mg/L	NC	30
9034742	EPH (C19-C32)	2018/06/22	125	60 - 140	110	70 - 130	<0.20	mg/L	NC	30
9034849	Nitrate plus Nitrite (N)	2018/06/21	111	80 - 120	103	80 - 120	<0.020	mg/L	NC	25
9034852	Nitrite (N)	2018/06/21	107	80 - 120	99	80 - 120	<0.0050	mg/L	NC	20
9035744	Dissolved Chloride (Cl)	2018/06/21	110	80 - 120	105	80 - 120	<1.0	mg/L	NC	20
9036014	Total Organic Carbon (C)	2018/06/22	108	80 - 120	117	80 - 120	<0.50	mg/L	NC	20
9037433	pH	2018/06/22			101	97 - 103			0.47	20
9037435	Conductivity	2018/06/22			99	80 - 120	<2.0	uS/cm		
9037813	Phenols	2018/06/25	99	80 - 120	102	80 - 120	<0.0020	mg/L	NC	20
9039175	Dissolved Sulphate (SO4)	2018/06/22			106	80 - 120	<1.0	mg/L		
9039534	2,4,5-T	2018/06/26			111	50 - 140	<0.080	ug/L		
9039534	2,4,5-TP	2018/06/26			107	50 - 140	<0.080	ug/L		
9039534	2,4-D	2018/06/26			116	50 - 140	<0.050	ug/L		
9039534	2,4-DB	2018/06/26			112	50 - 140	<0.080	ug/L		
9039534	3,5-dichlorobenzoic acid	2018/06/26			100	50 - 140	<0.080	ug/L		
9039534	Bentazon	2018/06/26			124	50 - 140	<0.080	ug/L		
9039534	Bromoxynil	2018/06/26			116	50 - 140	<0.020	ug/L		
9039534	Chloramben	2018/06/26			49	30 - 130	<0.080	ug/L		
9039534	Dicamba	2018/06/26			100	50 - 140	<0.0050	ug/L		
9039534	Dichlorprop	2018/06/26			117	50 - 140	<0.080	ug/L		
9039534	Diclofop-methyl	2018/06/26			123	50 - 140	<0.080	ug/L		
9039534	Dinoseb (DNBP)	2018/06/26			72	30 - 130	<0.020	ug/L		
9039534	MCPA	2018/06/26			105	50 - 140	<0.020	ug/L		
9039534	MCPP	2018/06/26			100	50 - 140	<0.080	ug/L		

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QUALITY ASSURANCE REPORT(CONT'D)

Village of Tahsis

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9039534	Pentachlorophenol	2018/06/26			111	50 - 140	<0.080	ug/L		
9039534	Picloram	2018/06/26			84	30 - 130	<0.080	ug/L		
9039796	Total Dissolved Solids	2018/06/27	100	80 - 120	100	80 - 120	<10	mg/L	8.7	20
9042251	Tannins and Lignins	2018/06/28	119	80 - 120	107	80 - 120	<0.10	mg/L	NC	20

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.

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

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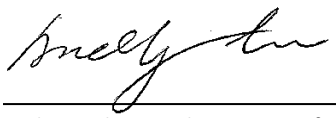
Maxxam Job #: B849593
Report Date: 2018/07/03

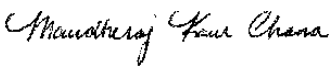
Village of Tahsis

VALIDATION SIGNATURE PAGE

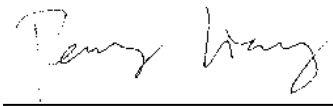
The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



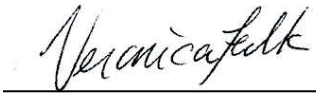
Andy Lu, Ph.D., P.Chem., Scientific Specialist



Mandheraj Chana, Junior Project Manager



Harry (Peng) Liang, Senior Analyst



Veronica Falk, B.Sc., P.Chem., QP, Scientific Specialist, Organics

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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Maxxam Analytics International Corporation o/a Maxxam Analytics
4606 Canada Way, Burnaby, British Columbia Canada V5G 1K5 Tel:(604) 734 7276 Toll-free:800-563-6266 Fax:(604) 731 2386 www.maxxam.ca

Page of

INVOICE TO:		Report Information		Project Information	
Company Name	#5529 Village of Tahsis	Company Name		Quotation #	B71255
Contact Name	Accounts Payable	Contact Name	Public Works ~~Superintendent~~ Director of Operations.	P.O. #	
Address	977 South Maquinna Drive Box 219 Tahsis BC V0P 1X0	Address	gfeser@villageoftahsis.com	Project #	
Phone	(250) 934-6344 x Fax: (250) 934-6622 x	Phone	Fax:	Project Name	
Email	publicworks@villageoftahsis.com, reception@villageoft	Email	publicworks@villageoftahsis.com; reception@villageofta	Site #	
				Sampled By	

8849593_COC

Bottle Order #: 553717

Project Manager

C#553717-01-01

BC Env Customer Service

Regulatory Criteria:
- ☐ CSR
- ☐ CCME
- ☐ BC Water Quality
- ☐ Other _____

Special Instructions

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered ? (Y / N)	Chloride and Sulphate by Automated Colourimetry	Conductance and pH	Tannin & Lignin (Total), TDS, Nitrate + Nitrite	Carbon (Total Organic) and Phenol (4-AAP)	LEPH & HEPH with CSR/CCME PAH in Water	CSR VOC + VPH in Water	Glyphosate Water Subcontract	RFA Water Subcontract	Pesticides in Water by LCMS Subcontract	Phenoxyalkyl acid Pesticides	# of Bottles	Comments
1		Community Well #1	2018-06/20	08:00													14	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

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)
1 DAY ☐ 2 Day ☐ 3 Day ☐ Date Required: _____ ☐
Rush Confirmation Number: _____ *(call lab for #)*

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
Greg Feser	18/06/20	09:00	[illegible]	2018/06/21	08:20		☐	6,6,6	☐ Yes ☐ No

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

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

White: Maxxam Yellow: Client

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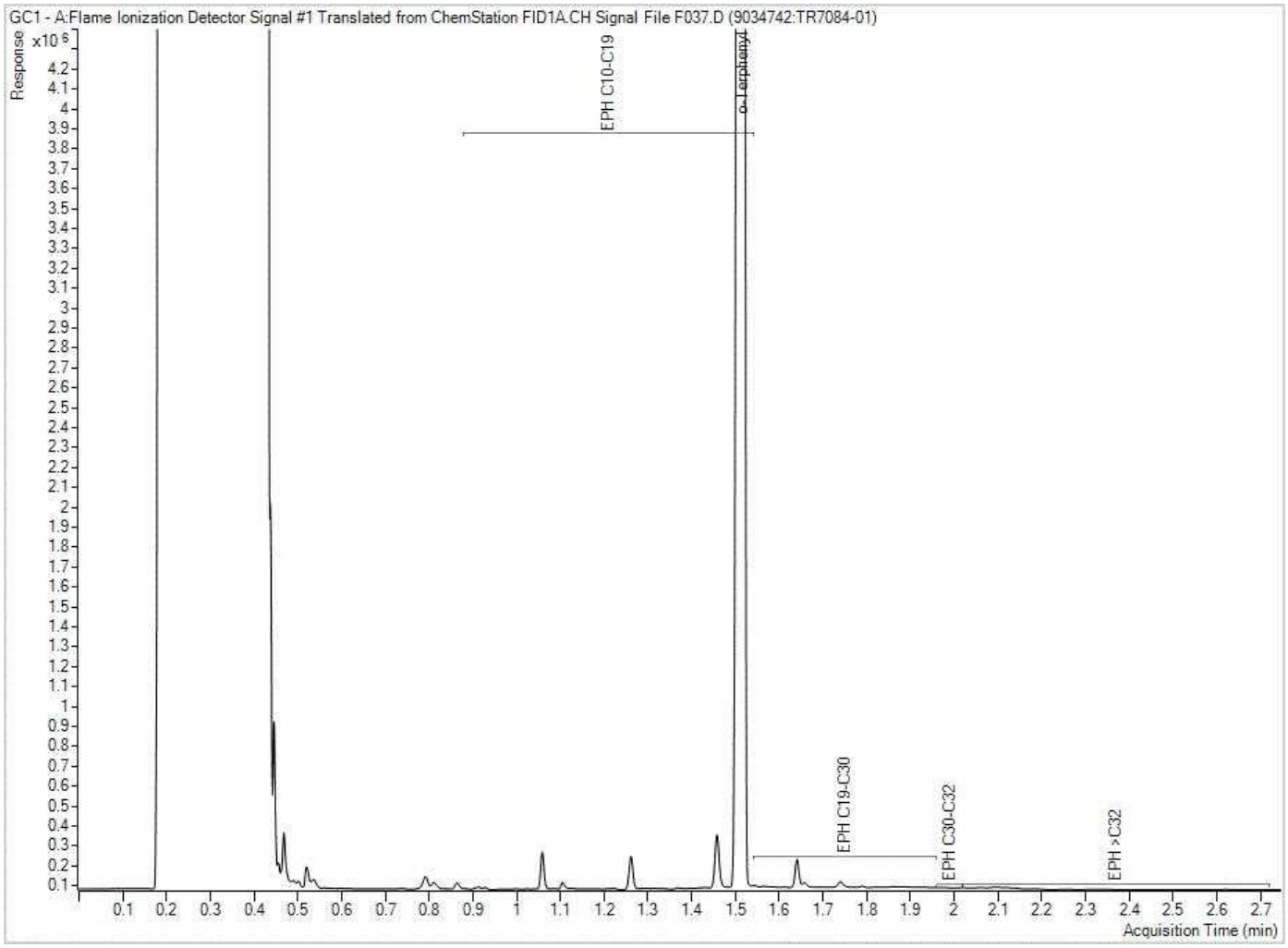
Maxxam Analytics International Corporation o/a Maxxam Analytics

Maxxam Job #: B849593
Report Date: 2018/07/03
Maxxam Sample: TR7084

Village of Tahsis
Client ID: COMMUNITY WELL # 1

EPH in Water when PAH required Chromatogram



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