

Wintergreen Woods Water

H2o Pro Inc.
125 Channelside Common
Airdrie, AB T4B 3J3
24/7 : 403-921-8949
h2opro@icloud.com

Submitted January 31, 2023



ANNUAL REPORT 2022

Customer review signature:

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Handwritten signature in black ink.

Approval No.17543

Diversion licenses. 30912/33519

163 acre' 747 gpm 24 acre' /213 gpm

Owner rep in 2022

David Deere/ Duncan

O'Nions: 403-463-3092

dndeere@xplornet.com

Operators:

H2o Pro Inc operated the system in 2022.

3226 Eric Faul 403-561-2285, Level III wt, Level II wd, Level II wwtp, Level I wwc

4562 Colby Faul 403-966-8527, Level II wt, Level II wd, Level II wwt, Level II wwc

3801 Jay-Lynn Faul 403-463-8265, Level II wt, Level II wd, Level II wwt, Level I wwc

5291 Adam Doyle 403-470-2341, Level II wt, Level I wd. Level II wwt, level I wwc

5612 Aaron Gordon 403-690-4400 Level I wt, Level I wd

Compliance

THERE WERE NO NON-COMPLIANCES DURING 2022

Drinking Water Safety Plan and Operations Plan updates:

THE SAFETY PLAN WAS REVIEWED BY ALL THE OPERATORS IN November 2022

Operating Highlights

THE RIVER INTAKE SYSTEM PERFORMED WELL THROUGHOUT THE YEAR. A new filter level control valve was installed this year due to the old valve being worn out after 16 years. Work with Rockyview County LIT process continued throughout the year about taking over the system. The water treatment plant and distribution system performed well.

Looking Ahead

Maintenance and operations recommendations for any system 2023

Update contact list for board members including contact numbers and email.

- Uni-directional flushing of distribution system annually if possible
 - Raw water intake inspection
 - Raw water pump inspection if applicable
 - Online instrumentation calibration if applicable.
 - Clean potable reservoir(s) every 3-5 years
 - Water balancing monthly (plant meter output vs house metering) if applicable
 - Distribution valve exercising every 3-5 years
 - Installation and/or maintenance of backup generator for power interruptions.
 - Plant distribution flow meter verification if applicable
 - UPGRADE obsolete Plant PLC
-

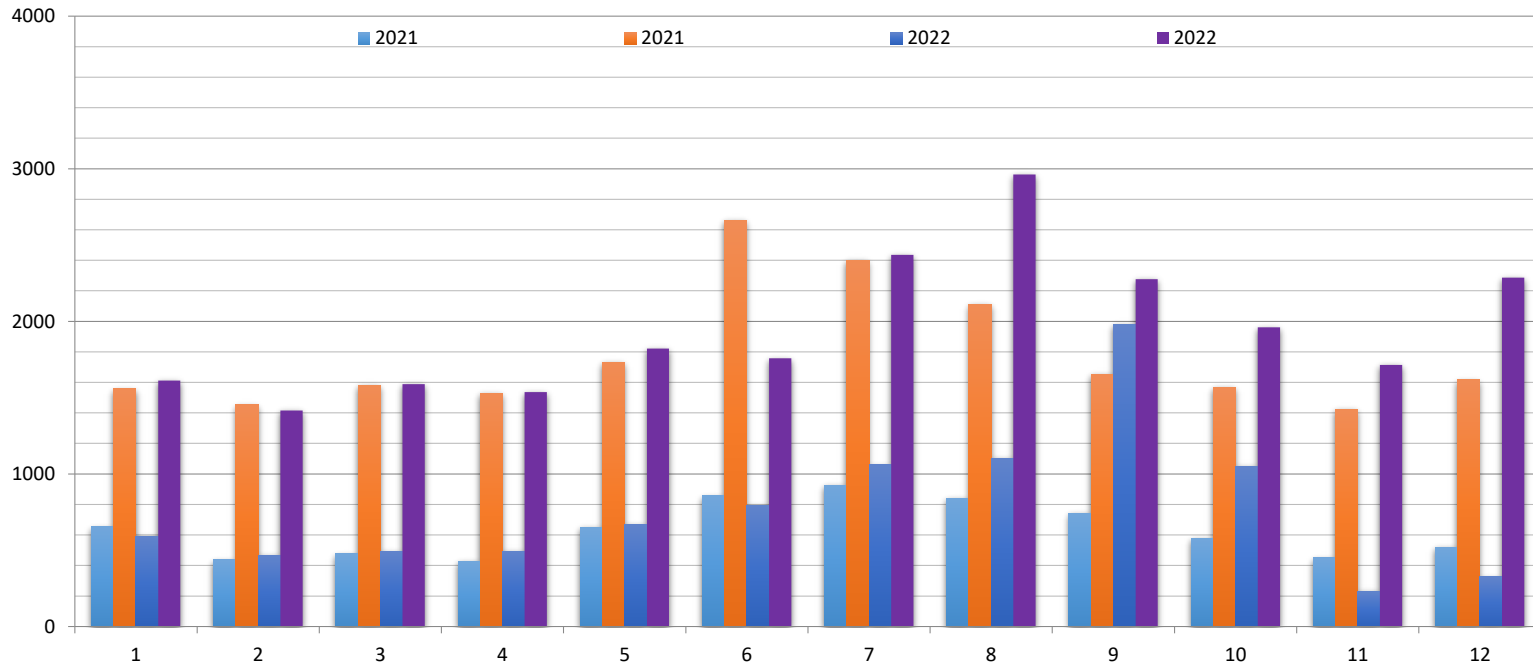
*Report prepared by:
Eric Faul and Colby Faul of H2o Pro Inc.*

WATER FOR LIFE!

H2o Pro Inc.

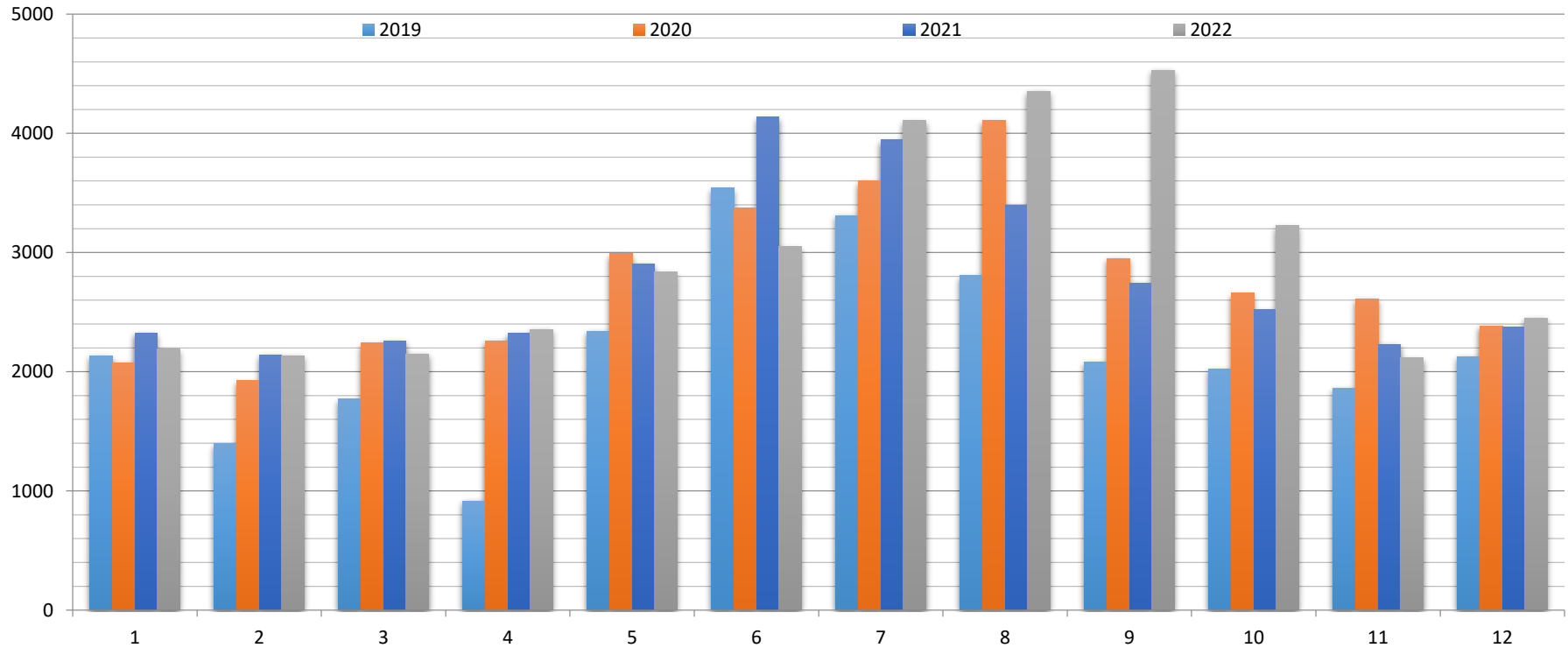
The best or nothing!





Water Usage in Cubic Meters (1m3= 220.26 imp. Gallons)

	2020/2021	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals		
2021	lodge	654	437	476	427	649	856	927	841	743	577	450	521	7558		
	subdivision	1557	1452	1580	1527	1732	2662	2397	2113	1654	1565	1424	1616	21279	28837	
2022	lodge	591	464	493	494	669	795	1059	1099	1980	1050	230	326	9250	annual total	
	subdivision	1611	1416	1588	1537	1821	1758	2435	2962	2277	1961	1714	2287	23367	32617	
surface water from SE 1/4 25-23-5-W5M		No. 205141 Subdivision (7400m3) and No. 00033519 (39471m3)						Annual max		46872						



Water Usage in Cubic Meters (1m3= 220.26 imp. Gallons)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals		
2019	2131	1397	1770	913	2341	3540	3311	2807	2083	2023	1860	2128	26304		
2020	2073	1925	2240	2260	2990	3372	3600	4107	2947	2658	2609	2382	33163		
2021	2323	2140	2256	2320	2904	4135	3944	3398	2741	2520	2229	2376	33286		
2022	2189	2133	2148	2356	2834	3049	4105	4354	4528	3226	2116	2449	35487		
surface water from SE 1/4 25-23-5-W5M												No. 205141 Subdivision (7400m3) and No. 00033519 (39471m3)		Annual max	46872

Wintergreen 17543 WTP BACTI 2022

DATE	RESULT	ADDRESS	ID #	FREE CL2
Jan 6	absent	wwtp	1612171	1.04
13	absent	maintenance shop	1612170	1.21
17	absent	clubhouse	1612169	1.14
26	absent	moose flush	1612168	0.47
				0.47
FEB- 2	ABSENT	wwtp	1612167	1.08
7	ABSENT	clubhouse	1612166	1.30
14	ABSENT	maintenance	1612165	0.94
24	ABSENT	hydrant moose	1612164	0.81
				0.81
Mar-2	ABSENT	wwtp	1612163	0.74
7	ABSENT	wtp	1612161	0.75
8	ABSENT	maintenance	1612162	0.64
15	ABSENT	lodge	1612160	1.07
22	ABSENT	lodge	1612159	1.48
30	ABSENT	hydrant moose	1612158	0.71
				0.64
April-5	ABSENT	wwtp	1612157	1.00
11	ABSENT	clubhouse	1612156	0.86
17	ABSENT	wtp	1612154	1.42
18	ABSENT	maintenance	1612155	1.13
27	ABSENT	hydrant moose	1612152	1.10
	ABSENT			1.10
May-3	ABSENT	caddy shack	2019902	1.07
9	ABSENT	WWTP	2019901	1.05
19	ABSENT	Maintenance	2019899	1.23
23	ABSENT	WWTP	2019898	1.19
31	ABSENT	hydrant west	2019897	0.97
				0.97
June-6	ABSENT	WWTP	2019896	1.03
14	ABSENT	clubhouse	2019895	0.94
20	ABSENT	Hydrant West	2019894	1.00
30	ABSENT	Caddy Shack	2019893	0.87
				0.87
July-6	ABSENT	WWTP	2019892	1.21
12	ABSENT	86 MLD	2019891	0.89
19	ABSENT	CLUBHOUSE	2019889	1.45
19	ABSENT	WTP	2019888	1.70
26	ABSENT	CADDY SHACK	2019887	1.31
	ABSENT			

DATE	RESULT	ADDRESS	ID #	FREE CL2
Aug 5	ABSENT	clubhosue	2019885	0.91
11	ABSENT	wwtp	2019884	1.01
17	ABSENT	hydrant hoose	2019882	0.89
23	ABSENT	hydrant west	2019881	0.95
29	ABSENT	caddy shack	2019880	1.20
Sept 8	ABSENT	wwtp	2019901	0.78
12	ABSENT	maintenance	2019879	0.95
20	ABSENT	clubhouse	2019876	1.08
27	ABSENT	wtp	2019877	1.30
28	ABSENT	hydrant moose	2019878	1.01
				0.95
Oct 4	absent	caddyshack	2019875	0.71
12	absent	wwtp	2019874	0.69
18	absent	maintenance	2019873	0.80
24	absent	wwtp	2019872	0.71
				0.69
nov1	ABSENT	wwtp	2019871	1.10
7	ABSENT	maint shop	2019870	1.12
15	ABSENT	wwtp	2019869	0.91
21	ABSENT	wtp	2019867	1.23
21	ABSENT	hydrandt west	2019868	1.07
28	ABSENT	clubhouse	2019866	0.97
				0.91
dec5	ABSENT	wwtp	2019865	0.94
14	ABSENT	clubhouse	2019864	1.13
21	ABSENT	maintencance	2019863	0.90
27	ABSENT	wwtp	2019862	0.99
				0.90
Annual min				0.47
Annual max				1.70

Trichloroethylene	0	0	0	0	nd	nd	nd	nd	nd	0	nd	nd	nd	nd	0.00	0	0
Vinyl Chloride	0	0	0	0	nd	nd	nd	nd	nd	0	nd	nd	nd	nd	0.00	0	0
o-Xylene	0	0	0	0	nd	nd	nd	nd	nd	0	nd	nd	nd	nd	0.00	0	0
p+m-Xylene	0	0	0	0	nd	nd	nd	nd	nd	0	nd	nd	nd	nd	0.00	0	0
Total Trihalomethanes	0.0519	0.018	4.76	0.0128	0.0378	0.028	0.095	0.095	4.43	0.0128	0.95	0.014	0.086	0.0235	0.01	4.76	4.76
Glyphosate	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Diuron	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Guthion (Azinphos-methyl)	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Temephos	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Aldrin + Dieldrin	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Chlordane (Total)	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
DDT+ Metabolites	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Heptachlor + Heptachlor epoxide	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
o,p-DDD + p,p-DDD	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
o,p-DDE + p,p-DDE	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
o,p-DDT + p,p-DDT	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Total Endosulfan	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Total PCB	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Lindane	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Heptachlor	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Aldrin	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Heptachlor epoxide	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Oxychlordane	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
γ-Chlordane	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
α-Chlordane	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Dieldrin	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
o,p-DDE	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
p,p-DDE	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
o,p-DDD	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
p,p-DDD	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
o,p-DDT	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
p,p-DDT	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
Methoxychlor	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Aroclor 1016	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
Aroclor 1221	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Aroclor 1232	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Aroclor 1242	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	nd	0.00	0	0
Aroclor 1248	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
Aroclor 1254	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
Aroclor 1260	0	0	0	0	nd	nd	nd	nd	nd	nd	nd	nd	n	n	0.00	0	0
ndma - nitrosodimethylamine					nd	nd	nd	nd	nd	nd	nd	nd	n	n	nd	nd	nd



H₂O Pro Inc.
 Box 592
 Cochrane, AB T4C 1A7

Phone: (403) 921-8949 **Lab Number:** 91945
Fax: (403) 851-9990
Email: **PO Number:**

Sample Info: Wintergreen Woods DEE

Sampled By: Colby
Date Sampled: 1/9/2022
Date Received: 1/10/2022
Date Reported: 1/26/2022

TEST REPORT

Analyte	Units	Result	CDW Guideline Maximum	Detection Limit
Calcium	mg/L	66.7	No Guideline	0.02
Iron	mg/L	<0.03	AO: 0.3	0.03
Magnesium	mg/L	18.4	No Guideline	0.02
Manganese	mg/L	<0.01	AO: 0.02, MAC: 0.12	0.01
Potassium	mg/L	0.7	No Guideline	0.02
Sodium	mg/L	5.6	AO: 200	0.02
Bicarbonates	mg/L	179	No Guideline	-
Bromides	mg/L	0.2	No Guideline	0.2
Carbonates	mg/L	0	No Guideline	-
Chlorides	mg/L	9.2	AO: 250	0.1
Fluorides	mg/L	0.26	MAC: 1.5	0.02
Nitrates as N	mg/L	0.14	MAC: 10	0.04
Nitrites as N	mg/L	<0.05	MAC: 1	0.05
NO ₃ + NO ₂ as N	mg/L	0.14	No Guideline	0.04
Sulfates	mg/L	91	AO: 500	0.9

Parameter	Units	Result	CDW Guideline Maximum	Detection Limit
Electrical Conductivity (at 25°C)	µS/cm	465	No Guideline	0.2
pH	pH	7.99	7.0 - 10.5	-
Hardness (as CaCO ₃)	mg/L	242	No Guideline	0.1
Total Alkalinity (as CaCO ₃)	mg/L	147	No Guideline	3
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline	-
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline	-
Total Dissolved Solids (calculated)	mg/L	281	AO: 500	4
Sulfides as S	mg/L	<0.02	AO: 0.05	0.02
Color	TCU	<5	AO: 15	5
Ammonia Nitrogen	mg/L	1.1	No Guideline	0.9
Total Organic Carbon	mg/L	1.9	No Guideline	0.5
Bromate	mg/L	<0.0095	MAC: 0.01	0.0095
Chloramines	mg/L	0.1	No Guideline	0.1
Chlorate	mg/L	0.22	MAC: 1	0.10
Chlorite	mg/L	<0.10	MAC: 1	0.10

Sum of Cations	5.10	TDS / EC Ratio	0.60
Sum of Anions	5.13	Sodium Adsorption Ratio	0.16
Ion Balance	1.00	Saturation Index	0.57

Lab Number: 91945

Trace Metals	Units	Result	CDW Guideline Maximum	Detection Limit
Boron	µg/L	8.7	MAC: 5000	0.5
Aluminum	µg/L	275	OG: 100	0.2
Chromium	µg/L	0.2	MAC: 50	0.1
Copper	µg/L	0.9	AO: 1000, MAC: 2000	0.08
Zinc	µg/L	<0.2	AO: 5000	0.2
Arsenic	µg/L	<0.04	MAC: 10	0.04
Selenium	µg/L	0.7	MAC: 50	0.04
Silver	µg/L	0.09	No Guideline	0.04
Cadmium	µg/L	<0.05	MAC: 7	0.05
Antimony	µg/L	<0.3	MAC: 6	0.3
Barium	µg/L	52.4	MAC: 2000	0.1
Mercury	µg/L	0.06	MAC: 1	0.05
Lead	µg/L	<0.1	MAC: 5	0.1
Uranium	µg/L	0.3	MAC: 20	0.04

Haloacetic Acids	Units	Result	CDW Guideline Maximum	Detection Limit
Monochloroacetic Acid (MCAA)	µg/L	<5.0	No Guideline	5.0
Monobromoacetic Acid (MBAA)	µg/L	<5.0	No Guideline	5.0
Dichloroacetic Acid (DCAA)	µg/L	<5.0	No Guideline	5.0
Trichloroacetic Acid (TCAA)	µg/L	<5.0	No Guideline	5.0
Bromochloroacetic Acid (BCAA)	µg/L	<5.0	No Guideline	5.0
Dibromoacetic Acid (DBAA)	µg/L	<5.0	No Guideline	5.0
Total Haloacetic Acids	µg/L	<5.0	MAC: 80	5.0

WSH Labs (1992) Ltd. as per: _____

Legalities**Lab Number:** 91945

- (1) The results above are related only to the items analyzed.
- (2) Results apply to the sample(s) as received.
- (3) Analytical determinations were performed in Calgary, AB. 3851B - 21 Street NE.
- (4) Condition of sample(s) upon receipt:
Acceptable
- (5) External provider(s) of laboratory results:
BV Labs

References

- (1) Accredited by CALA to ISO/IEC 17025 for specific tests.
- (2) Guidelines for Canadian Drinking Water Quality are provided courtesy of Health Canada, September 2020.
https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/summary-table-EN-2020-02-11.pdf

Acronyms & Nomenclatures

< denotes less than detection limit	MAC = Maximum Acceptable Concentration
> denotes greater than	OG = Operational Guidance Value
AO = Aesthetic Objective	TNTC = Too Numerous To Count (>80 colonies)
CDW = Canadian Drinking Water	

Standard Methods for the Examination of Water and Wastewater 23rd Edition (2017)

- Alkalinity.** 2320 B. Titration Method.
- Ammonia Nitrogen.** 4500-NH₃ C. Titrimetric Method.
- Anions.** 4110 B. Ion Chromatography with Chemical Suppression of Eluent Conductivity.
- Biochemical Oxygen Demand.** 5210 B. 5-Day BOD Test.
- Color.** 2120 B. Visual Comparison Method.
- Conductivity.** 2510 B. Laboratory Method.
- Fluoride.** 4500-F⁻ C. Ion-Selective Electrode Method.
- Hardness.** 2340 B. Hardness by Calculation.
- Metals.** 3125 B. Inductively Coupled Plasma / Mass Spectrometry (ICP-MS) Method.
- Organic Carbon.** 5310 B. High-Temperature Combustion Method.
- pH.** 4500-H⁺ B. Electrometric Method.
- Total Kjeldahl Nitrogen / Nitrogen (Organic).** 4500-Norg B. Macro-Kjeldahl Method.
- Total Suspended Solids.** 2540 D. Total Suspended Solids Dried at 103-105°C.
- Turbidity.** 2130 B. Nephelometric Method.

Hach Methods

- Chemical Oxygen Demand.** Hach Method 8000.
- Chlorine, Total & Free.** As per Hach CN66 Test Kit Instructions.
- Coliforms, Total and E. coli. (Membrane Filtration).** Hach Method 10029.
- Ortho-Phosphate.** Hach Method 8048.
- Sulfides.** Hach Method 8131.
- Tannin & Lignin.** Hach Method 8193.
- Total Phosphate.** Hach Method 8190.



Your P.O. #: 8187
 Your Project #: H2O PRO INC
 Site Location: WINTERGREEN WOODS D.E.E.
 Your C.O.C. #: 61392

Attention: Bill Wong

WSH Labs
 3851B - 21 St NE
 Calgary, AB
 CANADA T2E 6T5

Report Date: 2022/01/26
 Report #: R6977529
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C206851

Received: 2022/01/11, 09:06

Sample Matrix: Water
 # Samples Received: 1

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Total Cyanide	1	2022/01/14	2022/01/14	CAM SOP-00457	OMOE E3015 5 m
Diuron, Guthion, Temephos	1	2022/01/13	2022/01/17	CAM SOP-00306	EPA 532 m
Glyphosate	1	2022/01/13	2022/01/14	CAM SOP-00305	HPLC in-house method
NDMA in Drinking Water (MSABN-3291Amod)	1	2022/01/12	2022/01/19	BRL SOP-00012	MOE Method E3388
Nitritotriacetic Acid (NTA) (1)	1	2022/01/12	2022/01/12	CAM SOP-00411	EPA 430.1 m
OC Pesticides (Selected) & PCB (2)	1	2022/01/14	2022/01/19	CAM SOP-00307	EPA 8081A/ 8082B m
OC Pesticides Summed Parameters	1	N/A	2022/01/12	CAM SOP-00307	EPA 8081A/8082B m
ODWS - Semi-Volatiles	1	2022/01/19	2022/01/20	CAM SOP-00301	EPA 8270 m
VOCs (Drinking Water)	1	N/A	2022/01/13	CAM SOP-00226	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas 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 Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Bureau Veritas Laboratories attempt to commence NTA analysis as soon as possible in accordance with the reference method. However, rapid analysis may not be practically achievable, particularly for samples from remote locations. Extended delay in analysis times may increase the uncertainty of the test results, but does not necessarily imply that the



Your P.O. #: 8187
Your Project #: H2O PRO INC
Site Location: WINTERGREEN WOODS D.E.E.
Your C.O.C. #: 61392

Attention: Bill Wong

WSH Labs
3851B - 21 St NE
Calgary , AB
CANADA T2E 6T5

Report Date: 2022/01/26
Report #: R6977529
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C206851

Received: 2022/01/11, 09:06

results are compromised.

(2) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

James Aspin, Senior Project Manager

Email: James.Aspin@bureauveritas.com

Phone# (905)817-5771

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

Bureau Veritas Job #: C206851
Report Date: 2022/01/26

WSH Labs
Client Project #: H2O PRO INC
Site Location: WINTERGREEN WOODS D.E.E.
Your P.O. #: 8187
Sampler Initials: BW

ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

Bureau Veritas ID		RPA152		
Sampling Date		2022/01/09 13:40		
COC Number		61392		
	UNITS	91945	RDL	QC Batch
Calculated Parameters				
Aldrin + Dieldrin	ug/L	ND	0.006	7775271
Chlordane (Total)	ug/L	ND	0.006	7775271
DDT+ Metabolites	ug/L	ND	0.006	7775271
Heptachlor + Heptachlor epoxide	ug/L	ND	0.006	7775271
o,p-DDD + p,p-DDD	ug/L	ND	0.006	7775271
o,p-DDE + p,p-DDE	ug/L	ND	0.006	7775271
o,p-DDT + p,p-DDT	ug/L	ND	0.006	7775271
Total Endosulfan	ug/L	ND	0.005	7775271
Total PCB	ug/L	ND	0.05	7775271
Pesticides & Herbicides				
Lindane	ug/L	ND	0.0060	7782704
Heptachlor	ug/L	ND	0.0060	7782704
Aldrin	ug/L	ND	0.0060	7782704
Heptachlor epoxide	ug/L	ND	0.0060	7782704
Oxychlordane	ug/L	ND	0.0060	7782704
g-Chlordane	ug/L	ND	0.0060	7782704
a-Chlordane	ug/L	ND	0.0060	7782704
Dieldrin	ug/L	ND	0.0060	7782704
o,p-DDE	ug/L	ND	0.0060	7782704
p,p-DDE	ug/L	ND	0.0060	7782704
o,p-DDD	ug/L	ND	0.0060	7782704
p,p-DDD	ug/L	ND	0.0060	7782704
o,p-DDT	ug/L	ND	0.0060	7782704
p,p-DDT	ug/L	ND	0.0060	7782704
Methoxychlor	ug/L	ND	0.024	7782704
Aroclor 1016	ug/L	ND	0.050	7782704
Aroclor 1221	ug/L	ND	0.050	7782704
Aroclor 1232	ug/L	ND	0.050	7782704
Aroclor 1242	ug/L	ND	0.050	7782704
Aroclor 1248	ug/L	ND	0.050	7782704
Aroclor 1254	ug/L	ND	0.050	7782704
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



BUREAU
VERITAS

Bureau Veritas Job #: C206851
Report Date: 2022/01/26

WSH Labs
Client Project #: H2O PRO INC
Site Location: WINTERGREEN WOODS D.E.E.
Your P.O. #: 8187
Sampler Initials: BW

ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

Bureau Veritas ID		RPA152		
Sampling Date		2022/01/09 13:40		
COC Number		61392		
	UNITS	91945	RDL	QC Batch
Aroclor 1260	ug/L	ND	0.050	7782704
Total PCB	ug/L	ND	0.050	7782704
Surrogate Recovery (%)				
2,4,5,6-Tetrachloro-m-xylene	%	85	N/A	7782704
Decachlorobiphenyl	%	99	N/A	7782704
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



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Sampler Initials: BW

PESTICIDES & HERBICIDES BY HPLC (WATER)

Bureau Veritas ID		RPA152		
Sampling Date		2022/01/09 13:40		
COC Number		61392		
	UNITS	91945	RDL	QC Batch
Pesticides & Herbicides				
Glyphosate	ug/L	ND	10	7780720
Diuron	ug/L	ND	10	7779152
Guthion (Azinphos-methyl)	ug/L	ND	2.0	7779152
Temephos	ug/L	ND	10	7779152
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



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Sampler Initials: BW

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		RPA152		
Sampling Date		2022/01/09 13:40		
COC Number		61392		
	UNITS	91945	RDL	QC Batch
Inorganics				
Total Cyanide (CN)	mg/L	ND	0.0050	7781889
Miscellaneous Parameters				
NTA	mg/L	ND	0.050	7776816
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



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SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		RPA152		
Sampling Date		2022/01/09 13:40		
COC Number		61392		
	UNITS	91945	RDL	QC Batch
Semivolatile Organics				
2,3,4,6-Tetrachlorophenol	ug/L	ND	0.50	7788066
2,4,5-T	ug/L	ND	1.0	7788066
2,4,6-Trichlorophenol	ug/L	ND	0.50	7788066
2,4-D	ug/L	ND	1.0	7788066
2,4-Dichlorophenol	ug/L	ND	0.25	7788066
Alachlor	ug/L	ND	0.50	7788066
Aldicarb	ug/L	ND	5.0	7788066
Atrazine	ug/L	ND	0.50	7788066
Des-ethyl atrazine	ug/L	ND	0.50	7788066
Atrazine + Desethyl-atrazine	ug/L	ND	1.0	7788066
Bendiocarb	ug/L	ND	2.0	7788066
Bromoxynil	ug/L	ND	0.50	7788066
Carbaryl	ug/L	ND	5.0	7788066
Carbofuran	ug/L	ND	5.0	7788066
Chlorpyrifos (Dursban)	ug/L	ND	1.0	7788066
Cyanazine (Bladex)	ug/L	ND	1.0	7788066
Diazinon	ug/L	ND	1.0	7788066
Dicamba	ug/L	ND	1.0	7788066
Diclofop-methyl	ug/L	ND	0.90	7788066
Dimethoate	ug/L	ND	2.5	7788066
Dinoseb	ug/L	ND	1.0	7788066
Malathion	ug/L	ND	5.0	7788066
MCPA	ug/L	ND	10	7788066
Metolachlor	ug/L	ND	0.50	7788066
Metribuzin (Sencor)	ug/L	ND	5.0	7788066
Ethyl Parathion	ug/L	ND	1.0	7788066
Pentachlorophenol	ug/L	ND	0.50	7788066
Phorate	ug/L	ND	0.50	7788066
Picloram	ug/L	ND	5.0	7788066
Prometryne	ug/L	ND	0.25	7788066
Simazine	ug/L	ND	1.0	7788066
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



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SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		RPA152		
Sampling Date		2022/01/09 13:40		
COC Number		61392		
	UNITS	91945	RDL	QC Batch
Terbufos	ug/L	ND	0.50	7788066
Triallate	ug/L	ND	1.0	7788066
Trifluralin	ug/L	ND	1.0	7788066
Benzo(a)pyrene	ug/L	ND	0.0050	7788066
Methyl parathion	ug/L	ND	1.0	7788066
Surrogate Recovery (%)				
2,4,6-Tribromophenol	%	85	N/A	7788066
2,4-Dichlorophenyl Acetic Acid	%	85	N/A	7788066
2-Fluorobiphenyl	%	94	N/A	7788066
D14-Terphenyl (FS)	%	94	N/A	7788066
D5-Nitrobenzene	%	94	N/A	7788066
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



BUREAU
VERITAS

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SEMI-VOLATILE ORGANICS BY HRMS (WATER)

Bureau Veritas ID		RPA152		
Sampling Date		2022/01/09 13:40		
COC Number		61392		
	UNITS	91945	RDL	QC Batch
Semivolatile Organics				
N-Nitrosodimethylamine	ug/L	ND	0.0009	7772550
Surrogate Recovery (%)				
D6-N-Nitrosodimethylamine	%	41	N/A	7772550
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



BUREAU
VERITAS

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VOLATILE ORGANICS BY GC/MS (WATER)

Bureau Veritas ID		RPA152		
Sampling Date		2022/01/09 13:40		
COC Number		61392		
	UNITS	91945	RDL	QC Batch
Volatiles Organics				
1,1-Dichloroethylene	ug/L	ND	0.10	7769706
1,2-Dichlorobenzene	ug/L	ND	0.20	7769706
1,2-Dichloroethane	ug/L	ND	0.20	7769706
1,4-Dichlorobenzene	ug/L	ND	0.20	7769706
Benzene	ug/L	ND	0.10	7769706
Bromodichloromethane	ug/L	0.96	0.10	7769706
Bromoform	ug/L	ND	0.20	7769706
Carbon Tetrachloride	ug/L	ND	0.10	7769706
Chlorobenzene	ug/L	ND	0.10	7769706
Chloroform	ug/L	3.16	0.10	7769706
Dibromochloromethane	ug/L	0.22	0.20	7769706
Methylene Chloride(Dichloromethane)	ug/L	ND	0.50	7769706
Ethylbenzene	ug/L	ND	0.10	7769706
Methyl t-butyl ether (MTBE)	ug/L	ND	0.20	7769706
Tetrachloroethylene	ug/L	ND	0.10	7769706
Toluene	ug/L	ND	0.20	7769706
Trichloroethylene	ug/L	ND	0.10	7769706
Vinyl Chloride	ug/L	ND	0.20	7769706
o-Xylene	ug/L	ND	0.10	7769706
p+m-Xylene	ug/L	ND	0.10	7769706
Total Trihalomethanes	ug/L	4.34	0.20	7769706
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	97	N/A	7769706
D4-1,2-Dichloroethane	%	101	N/A	7769706
D8-Toluene	%	92	N/A	7769706
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



BUREAU
VERITAS

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GENERAL COMMENTS

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

Package 1	2.3°C
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Results relate only to the items tested.



BUREAU
VERITAS

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WSH Labs
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QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
7769706	RSC	Matrix Spike	4-Bromofluorobenzene	2022/01/12		103	%	70 - 130
			D4-1,2-Dichloroethane	2022/01/12		91	%	70 - 130
			D8-Toluene	2022/01/12		102	%	70 - 130
			1,1-Dichloroethylene	2022/01/12		92	%	70 - 130
			1,2-Dichlorobenzene	2022/01/12		98	%	70 - 130
			1,2-Dichloroethane	2022/01/12		88	%	70 - 130
			1,4-Dichlorobenzene	2022/01/12		114	%	70 - 130
			Benzene	2022/01/12		89	%	70 - 130
			Bromodichloromethane	2022/01/12		97	%	70 - 130
			Bromoform	2022/01/12		105	%	70 - 130
			Carbon Tetrachloride	2022/01/12		97	%	70 - 130
			Chlorobenzene	2022/01/12		99	%	70 - 130
			Chloroform	2022/01/12		89	%	70 - 130
			Dibromochloromethane	2022/01/12		98	%	70 - 130
			Methylene Chloride(Dichloromethane)	2022/01/12		91	%	70 - 130
			Ethylbenzene	2022/01/12		97	%	70 - 130
			Methyl t-butyl ether (MTBE)	2022/01/12		79	%	70 - 130
			Tetrachloroethylene	2022/01/12		95	%	70 - 130
			Toluene	2022/01/12		97	%	70 - 130
			Trichloroethylene	2022/01/12		104	%	70 - 130
			Vinyl Chloride	2022/01/12		82	%	70 - 130
			o-Xylene	2022/01/12		97	%	70 - 130
			p+m-Xylene	2022/01/12		103	%	70 - 130
7769706	RSC	Spiked Blank	4-Bromofluorobenzene	2022/01/12		101	%	70 - 130
			D4-1,2-Dichloroethane	2022/01/12		95	%	70 - 130
			D8-Toluene	2022/01/12		103	%	70 - 130
			1,1-Dichloroethylene	2022/01/12		88	%	70 - 130
			1,2-Dichlorobenzene	2022/01/12		91	%	70 - 130
			1,2-Dichloroethane	2022/01/12		84	%	70 - 130
			1,4-Dichlorobenzene	2022/01/12		104	%	70 - 130
			Benzene	2022/01/12		86	%	70 - 130
			Bromodichloromethane	2022/01/12		94	%	70 - 130
			Bromoform	2022/01/12		98	%	70 - 130
			Carbon Tetrachloride	2022/01/12		94	%	70 - 130
			Chlorobenzene	2022/01/12		93	%	70 - 130
			Chloroform	2022/01/12		89	%	70 - 130
			Dibromochloromethane	2022/01/12		94	%	70 - 130
			Methylene Chloride(Dichloromethane)	2022/01/12		91	%	70 - 130
			Ethylbenzene	2022/01/12		90	%	70 - 130
			Methyl t-butyl ether (MTBE)	2022/01/12		80	%	70 - 130
			Tetrachloroethylene	2022/01/12		90	%	70 - 130
			Toluene	2022/01/12		92	%	70 - 130
			Trichloroethylene	2022/01/12		99	%	70 - 130
			Vinyl Chloride	2022/01/12		83	%	70 - 130
			o-Xylene	2022/01/12		92	%	70 - 130
			p+m-Xylene	2022/01/12		95	%	70 - 130
7769706	RSC	Method Blank	4-Bromofluorobenzene	2022/01/12		94	%	70 - 130
			D4-1,2-Dichloroethane	2022/01/12		96	%	70 - 130
			D8-Toluene	2022/01/12		95	%	70 - 130



BUREAU
VERITAS

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WSH Labs
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Your P.O. #: 8187
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			1,1-Dichloroethylene	2022/01/12	ND, RDL=0.10		ug/L	
			1,2-Dichlorobenzene	2022/01/12	ND, RDL=0.20		ug/L	
			1,2-Dichloroethane	2022/01/12	ND, RDL=0.20		ug/L	
			1,4-Dichlorobenzene	2022/01/12	ND, RDL=0.20		ug/L	
			Benzene	2022/01/12	ND, RDL=0.10		ug/L	
			Bromodichloromethane	2022/01/12	ND, RDL=0.10		ug/L	
			Bromoform	2022/01/12	ND, RDL=0.20		ug/L	
			Carbon Tetrachloride	2022/01/12	ND, RDL=0.10		ug/L	
			Chlorobenzene	2022/01/12	ND, RDL=0.10		ug/L	
			Chloroform	2022/01/12	ND, RDL=0.10		ug/L	
			Dibromochloromethane	2022/01/12	ND, RDL=0.20		ug/L	
			Methylene Chloride(Dichloromethane)	2022/01/12	ND, RDL=0.50		ug/L	
			Ethylbenzene	2022/01/12	ND, RDL=0.10		ug/L	
			Methyl t-butyl ether (MTBE)	2022/01/12	ND, RDL=0.20		ug/L	
			Tetrachloroethylene	2022/01/12	ND, RDL=0.10		ug/L	
			Toluene	2022/01/12	ND, RDL=0.20		ug/L	
			Trichloroethylene	2022/01/12	ND, RDL=0.10		ug/L	
			Vinyl Chloride	2022/01/12	ND, RDL=0.20		ug/L	
			o-Xylene	2022/01/12	ND, RDL=0.10		ug/L	
			p+m-Xylene	2022/01/12	ND, RDL=0.10		ug/L	
			Total Trihalomethanes	2022/01/12	ND, RDL=0.20		ug/L	
7769706	RSC	RPD	1,1-Dichloroethylene	2022/01/12	NC		%	30
			1,2-Dichlorobenzene	2022/01/12	NC		%	30
			1,2-Dichloroethane	2022/01/12	NC		%	30
			1,4-Dichlorobenzene	2022/01/12	NC		%	30
			Benzene	2022/01/12	NC		%	30
			Bromodichloromethane	2022/01/12	0.53		%	30
			Bromoform	2022/01/12	8.8		%	30
			Carbon Tetrachloride	2022/01/12	NC		%	30
			Chlorobenzene	2022/01/12	NC		%	30



BUREAU
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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Chloroform	2022/01/12	3.1		%	30
			Dibromochloromethane	2022/01/12	8.6		%	30
			Methylene Chloride(Dichloromethane)	2022/01/12	NC		%	30
			Ethylbenzene	2022/01/12	NC		%	30
			Tetrachloroethylene	2022/01/12	NC		%	30
			Toluene	2022/01/12	NC		%	30
			Trichloroethylene	2022/01/12	NC		%	30
			Vinyl Chloride	2022/01/12	NC		%	30
			o-Xylene	2022/01/12	NC		%	30
			p+m-Xylene	2022/01/12	NC		%	30
			Total Trihalomethanes	2022/01/12	3.3		%	30
7772550	WSS	Spiked Blank	D6-N-Nitrosodimethylamine	2022/01/19		45	%	10 - 85
			N-Nitrosodimethylamine	2022/01/19		100	%	65 - 135
7772550	WSS	RPD	N-Nitrosodimethylamine	2022/01/19	3.5		%	25
7772550	WSS	Method Blank	D6-N-Nitrosodimethylamine	2022/01/19		41	%	10 - 85
			N-Nitrosodimethylamine	2022/01/19	ND, RDL=0.0009		ug/L	
7776816	VRO	Matrix Spike	NTA	2022/01/12		97	%	80 - 120
7776816	VRO	Spiked Blank	NTA	2022/01/12		96	%	80 - 120
7776816	VRO	Method Blank	NTA	2022/01/12	ND, RDL=0.050		mg/L	
7776816	VRO	RPD	NTA	2022/01/12	NC		%	20
7779152	JLE	Matrix Spike [RPA152-05]	Diuron	2022/01/17		84	%	40 - 130
			Guthion (Azinphos-methyl)	2022/01/17		85	%	40 - 130
			Temephos	2022/01/17		102	%	40 - 130
7779152	JLE	Spiked Blank	Diuron	2022/01/17		86	%	40 - 130
			Guthion (Azinphos-methyl)	2022/01/17		88	%	40 - 130
			Temephos	2022/01/17		104	%	40 - 130
7779152	JLE	Method Blank	Diuron	2022/01/17	ND, RDL=10		ug/L	
			Guthion (Azinphos-methyl)	2022/01/17	ND, RDL=2.0		ug/L	
			Temephos	2022/01/17	ND, RDL=10		ug/L	
7779152	JLE	RPD	Diuron	2022/01/17	NC		%	40
			Guthion (Azinphos-methyl)	2022/01/17	NC		%	40
			Temephos	2022/01/17	NC		%	40
7780720	FKU	Matrix Spike [RPA152-03]	Glyphosate	2022/01/14		123	%	50 - 130
7780720	FKU	Spiked Blank	Glyphosate	2022/01/14		105	%	50 - 130
7780720	FKU	Method Blank	Glyphosate	2022/01/14	ND, RDL=10		ug/L	
7780720	FKU	RPD [RPA152-03]	Glyphosate	2022/01/14	NC		%	40
7781889	ABP	Matrix Spike	Total Cyanide (CN)	2022/01/14		102	%	80 - 120
7781889	ABP	Spiked Blank	Total Cyanide (CN)	2022/01/14		98	%	80 - 120
7781889	ABP	Method Blank	Total Cyanide (CN)	2022/01/14	ND, RDL=0.0050		mg/L	
7781889	ABP	RPD	Total Cyanide (CN)	2022/01/14	NC		%	20
7782704	MAK	Matrix Spike [RPA152-01]	2,4,5,6-Tetrachloro-m-xylene	2022/01/19		80	%	30 - 130
			Decachlorobiphenyl	2022/01/19		109	%	30 - 130
			Lindane	2022/01/19		103	%	30 - 130



BUREAU
VERITAS

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Your P.O. #: 8187
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				Heptachlor	2022/01/19		88	%	30 - 130
				Aldrin	2022/01/19		83	%	30 - 130
				Heptachlor epoxide	2022/01/19		105	%	30 - 130
				Oxychlorthane	2022/01/19		109	%	30 - 130
				g-Chlordane	2022/01/19		105	%	30 - 130
				a-Chlordane	2022/01/19		108	%	30 - 130
				Dieldrin	2022/01/19		120	%	30 - 130
				o,p-DDE	2022/01/19		118	%	30 - 130
				p,p-DDE	2022/01/19		105	%	30 - 130
				o,p-DDD	2022/01/19		116	%	30 - 130
				p,p-DDD	2022/01/19		105	%	30 - 130
				o,p-DDT	2022/01/19		113	%	30 - 130
				p,p-DDT	2022/01/19		106	%	30 - 130
				Methoxychlor	2022/01/19		123	%	30 - 130
7782704	MAK		Spiked Blank	2,4,5,6-Tetrachloro-m-xylene	2022/01/19		67	%	30 - 130
				Decachlorobiphenyl	2022/01/19		105	%	30 - 130
				Lindane	2022/01/19		102	%	30 - 130
				Heptachlor	2022/01/19		81	%	30 - 130
				Aldrin	2022/01/19		84	%	30 - 130
				Heptachlor epoxide	2022/01/19		108	%	30 - 130
				Oxychlorthane	2022/01/19		108	%	30 - 130
				g-Chlordane	2022/01/19		103	%	30 - 130
				a-Chlordane	2022/01/19		110	%	30 - 130
				Dieldrin	2022/01/19		118	%	30 - 130
				o,p-DDE	2022/01/19		106	%	30 - 130
				p,p-DDE	2022/01/19		101	%	30 - 130
				o,p-DDD	2022/01/19		118	%	30 - 130
				p,p-DDD	2022/01/19		108	%	30 - 130
				o,p-DDT	2022/01/19		111	%	30 - 130
				p,p-DDT	2022/01/19		104	%	30 - 130
				Methoxychlor	2022/01/19		118	%	30 - 130
7782704	MAK		RPD	Lindane	2022/01/19	0.11		%	40
				Heptachlor	2022/01/19	5.1		%	40
				Aldrin	2022/01/19	5.8		%	40
				Heptachlor epoxide	2022/01/19	1.8		%	40
				Oxychlorthane	2022/01/19	3.4		%	40
				g-Chlordane	2022/01/19	3.2		%	40
				a-Chlordane	2022/01/19	1.9		%	40
				Dieldrin	2022/01/19	2.9		%	40
				o,p-DDE	2022/01/19	11		%	40
				p,p-DDE	2022/01/19	4.4		%	40
				o,p-DDD	2022/01/19	6.2		%	40
				p,p-DDD	2022/01/19	2.3		%	40
				o,p-DDT	2022/01/19	2.4		%	40
				p,p-DDT	2022/01/19	1.2		%	40
				Methoxychlor	2022/01/19	7.6		%	40
7782704	MAK		Method Blank	2,4,5,6-Tetrachloro-m-xylene	2022/01/19		60	%	30 - 130
				Decachlorobiphenyl	2022/01/19		99	%	30 - 130
				Lindane	2022/01/19	ND, RDL=0.0060		ug/L	



BUREAU
VERITAS

Bureau Veritas Job #: C206851
Report Date: 2022/01/26

WSH Labs
Client Project #: H2O PRO INC
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Your P.O. #: 8187
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Heptachlor	2022/01/19	ND, RDL=0.0060		ug/L	
			Aldrin	2022/01/19	ND, RDL=0.0060		ug/L	
			Heptachlor epoxide	2022/01/19	ND, RDL=0.0060		ug/L	
			Oxychlordanes	2022/01/19	ND, RDL=0.0060		ug/L	
			g-Chlordane	2022/01/19	ND, RDL=0.0060		ug/L	
			a-Chlordane	2022/01/19	ND, RDL=0.0060		ug/L	
			Dieldrin	2022/01/19	ND, RDL=0.0060		ug/L	
			o,p-DDE	2022/01/19	ND, RDL=0.0060		ug/L	
			p,p-DDE	2022/01/19	ND, RDL=0.0060		ug/L	
			o,p-DDD	2022/01/19	ND, RDL=0.0060		ug/L	
			p,p-DDD	2022/01/19	ND, RDL=0.0060		ug/L	
			o,p-DDT	2022/01/19	ND, RDL=0.0060		ug/L	
			p,p-DDT	2022/01/19	ND, RDL=0.0060		ug/L	
			Methoxychlor	2022/01/19	ND, RDL=0.024		ug/L	
			Aroclor 1016	2022/01/19	ND, RDL=0.050		ug/L	
			Aroclor 1221	2022/01/19	ND, RDL=0.050		ug/L	
			Aroclor 1232	2022/01/19	ND, RDL=0.050		ug/L	
			Aroclor 1242	2022/01/19	ND, RDL=0.050		ug/L	
			Aroclor 1248	2022/01/19	ND, RDL=0.050		ug/L	
			Aroclor 1254	2022/01/19	ND, RDL=0.050		ug/L	
			Aroclor 1260	2022/01/19	ND, RDL=0.050		ug/L	
			Total PCB	2022/01/19	ND, RDL=0.050		ug/L	
7788066	WZ	Matrix Spike	2,4,6-Tribromophenol	2022/01/19		88	%	30 - 130
			2,4-Dichlorophenyl Acetic Acid	2022/01/19		87	%	30 - 130
			2-Fluorobiphenyl	2022/01/19		75	%	30 - 130
			D14-Terphenyl (FS)	2022/01/19		92	%	30 - 130
			D5-Nitrobenzene	2022/01/19		84	%	30 - 130
			2,3,4,6-Tetrachlorophenol	2022/01/19		101	%	30 - 130
			2,4,5-T	2022/01/19		99	%	30 - 130



BUREAU
VERITAS

Bureau Veritas Job #: C206851
Report Date: 2022/01/26

WSH Labs
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Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				2,4,6-Trichlorophenol	2022/01/19		90	%	30 - 130
				2,4-D	2022/01/19		89	%	30 - 130
				2,4-Dichlorophenol	2022/01/19		73	%	30 - 130
				Alachlor	2022/01/19		89	%	40 - 130
				Aldicarb	2022/01/19		81	%	70 - 130
				Atrazine	2022/01/19		71	%	30 - 130
				Des-ethyl atrazine	2022/01/19		17 (1)	%	30 - 130
				Atrazine + Desethyl-atrazine	2022/01/19		44	%	30 - 130
				Bendiocarb	2022/01/19		104	%	40 - 130
				Bromoxynil	2022/01/19		97	%	40 - 130
				Carbaryl	2022/01/19		107	%	40 - 130
				Carbofuran	2022/01/19		104	%	40 - 130
				Chlorpyrifos (Dursban)	2022/01/19		91	%	40 - 130
				Cyanazine (Bladex)	2022/01/19		14 (1)	%	40 - 130
				Diazinon	2022/01/19		70	%	40 - 130
				Dicamba	2022/01/19		89	%	30 - 130
				Diclofop-methyl	2022/01/19		100	%	40 - 130
				Dimethoate	2022/01/19		81	%	40 - 130
				Dinoseb	2022/01/19		94	%	40 - 130
				Malathion	2022/01/19		89	%	40 - 130
				MCPA	2022/01/19		95	%	10 - 130
				Metolachlor	2022/01/19		91	%	40 - 130
				Metribuzin (Sencor)	2022/01/19		25 (1)	%	40 - 130
				Ethyl Parathion	2022/01/19		88	%	40 - 130
				Pentachlorophenol	2022/01/19		88	%	25 - 130
				Phorate	2022/01/19		74	%	40 - 130
				Picloram	2022/01/19		67	%	10 - 130
				Prometryne	2022/01/19		75	%	30 - 130
				Simazine	2022/01/19		56	%	40 - 130
				Terbufos	2022/01/19		73	%	40 - 130
				Triallate	2022/01/19		87	%	40 - 130
				Trifluralin	2022/01/19		97	%	40 - 130
				Benzo(a)pyrene	2022/01/19		114	%	30 - 130
				Methyl parathion	2022/01/19		85	%	30 - 130
7788066		WZ	Spiked Blank	2,4,6-Tribromophenol	2022/01/19		96	%	30 - 130
				2,4-Dichlorophenyl Acetic Acid	2022/01/19		94	%	30 - 130
				2-Fluorobiphenyl	2022/01/19		76	%	30 - 130
				D14-Terphenyl (FS)	2022/01/19		100	%	30 - 130
				D5-Nitrobenzene	2022/01/19		88	%	30 - 130
				2,3,4,6-Tetrachlorophenol	2022/01/19		107	%	30 - 130
				2,4,5-T	2022/01/19		103	%	30 - 130
				2,4,6-Trichlorophenol	2022/01/19		95	%	30 - 130
				2,4-D	2022/01/19		94	%	30 - 130
				2,4-Dichlorophenol	2022/01/19		78	%	30 - 130
				Alachlor	2022/01/19		101	%	40 - 130
				Aldicarb	2022/01/19		89	%	70 - 130
				Atrazine	2022/01/19		91	%	30 - 130
				Des-ethyl atrazine	2022/01/19		37	%	30 - 130
				Atrazine + Desethyl-atrazine	2022/01/19		64	%	30 - 130
				Bendiocarb	2022/01/19		112	%	40 - 130



BUREAU
VERITAS

Bureau Veritas Job #: C206851
Report Date: 2022/01/26

WSH Labs
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Your P.O. #: 8187
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Bromoxynil	2022/01/19		103	%	40 - 130
			Carbaryl	2022/01/19		114	%	40 - 130
			Carbofuran	2022/01/19		109	%	40 - 130
			Chlorpyrifos (Dursban)	2022/01/19		95	%	40 - 130
			Cyanazine (Bladex)	2022/01/19		77	%	40 - 130
			Diazinon	2022/01/19		92	%	40 - 130
			Dicamba	2022/01/19		94	%	30 - 130
			Diclofop-methyl	2022/01/19		108	%	40 - 130
			Dimethoate	2022/01/19		89	%	40 - 130
			Dinoseb	2022/01/19		101	%	40 - 130
			Malathion	2022/01/19		98	%	40 - 130
			MCPA	2022/01/19		102	%	10 - 130
			Metolachlor	2022/01/19		98	%	40 - 130
			Metribuzin (Sencor)	2022/01/19		88	%	40 - 130
			Ethyl Parathion	2022/01/19		97	%	40 - 130
			Pentachlorophenol	2022/01/19		94	%	25 - 130
			Phorate	2022/01/19		86	%	40 - 130
			Picloram	2022/01/19		78	%	10 - 130
			Prometryne	2022/01/19		84	%	30 - 130
			Simazine	2022/01/19		81	%	40 - 130
			Terbufos	2022/01/19		84	%	40 - 130
			Triallate	2022/01/19		95	%	40 - 130
			Trifluralin	2022/01/19		100	%	40 - 130
			Benzo(a)pyrene	2022/01/19		123	%	30 - 130
			Methyl parathion	2022/01/19		93	%	30 - 130
7788066	WZ	RPD	2,3,4,6-Tetrachlorophenol	2022/01/19	3.3		%	40
			2,4,5-T	2022/01/19	2.8		%	40
			2,4,6-Trichlorophenol	2022/01/19	3.1		%	40
			2,4-D	2022/01/19	4.0		%	40
			2,4-Dichlorophenol	2022/01/19	4.2		%	40
			Alachlor	2022/01/19	1.1		%	40
			Aldicarb	2022/01/19	4.2		%	40
			Atrazine	2022/01/19	7.8		%	40
			Des-ethyl atrazine	2022/01/19	9.2		%	40
			Atrazine + Desethyl-atrazine	2022/01/19	8.2		%	40
			Bendiocarb	2022/01/19	4.2		%	40
			Bromoxynil	2022/01/19	2.9		%	40
			Carbaryl	2022/01/19	3.4		%	40
			Carbofuran	2022/01/19	4.3		%	40
			Chlorpyrifos (Dursban)	2022/01/19	5.7		%	40
			Cyanazine (Bladex)	2022/01/19	8.0		%	40
			Diazinon	2022/01/19	5.8		%	40
			Dicamba	2022/01/19	3.9		%	40
			Diclofop-methyl	2022/01/19	4.1		%	40
			Dimethoate	2022/01/19	3.6		%	40
			Dinoseb	2022/01/19	3.0		%	40
			Malathion	2022/01/19	5.9		%	40
			MCPA	2022/01/19	3.9		%	40
			Metolachlor	2022/01/19	6.7		%	40
			Metribuzin (Sencor)	2022/01/19	7.1		%	40



BUREAU VERITAS

Bureau Veritas Job #: C206851
Report Date: 2022/01/26

WSH Labs
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Your P.O. #: 8187
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Ethyl Parathion	2022/01/19	6.9		%	40
			Pentachlorophenol	2022/01/19	3.0		%	40
			Phorate	2022/01/19	8.2		%	40
			Picloram	2022/01/19	24		%	40
			Prometryne	2022/01/19	3.0		%	40
			Simazine	2022/01/19	7.9		%	40
			Terbufos	2022/01/19	7.4		%	40
			Triallate	2022/01/19	4.6		%	40
			Trifluralin	2022/01/19	1.3		%	40
			Benzo(a)pyrene	2022/01/19	6.1		%	40
			Methyl parathion	2022/01/19	5.3		%	40
7788066	WZ	Method Blank	2,4,6-Tribromophenol	2022/01/20		92	%	30 - 130
			2,4-Dichlorophenyl Acetic Acid	2022/01/20		90	%	30 - 130
			2-Fluorobiphenyl	2022/01/20		71	%	30 - 130
			D14-Terphenyl (FS)	2022/01/20		99	%	30 - 130
			D5-Nitrobenzene	2022/01/20		92	%	30 - 130
			2,3,4,6-Tetrachlorophenol	2022/01/20	ND, RDL=0.50		ug/L	
			2,4,5-T	2022/01/20	ND, RDL=1.0		ug/L	
			2,4,6-Trichlorophenol	2022/01/20	ND, RDL=0.50		ug/L	
			2,4-D	2022/01/20	ND, RDL=1.0		ug/L	
			2,4-Dichlorophenol	2022/01/20	ND, RDL=0.25		ug/L	
			Alachlor	2022/01/20	ND, RDL=0.50		ug/L	
			Aldicarb	2022/01/20	ND, RDL=5.0		ug/L	
			Atrazine	2022/01/20	ND, RDL=0.50		ug/L	
			Des-ethyl atrazine	2022/01/20	ND, RDL=0.50		ug/L	
			Atrazine + Desethyl-atrazine	2022/01/20	ND, RDL=1.0		ug/L	
			Bendiocarb	2022/01/20	ND, RDL=2.0		ug/L	
			Bromoxynil	2022/01/20	ND, RDL=0.50		ug/L	
			Carbaryl	2022/01/20	ND, RDL=5.0		ug/L	
			Carbofuran	2022/01/20	ND, RDL=5.0		ug/L	
			Chlorpyrifos (Dursban)	2022/01/20	ND, RDL=1.0		ug/L	
			Cyanazine (Bladex)	2022/01/20	ND, RDL=1.0		ug/L	
			Diazinon	2022/01/20	ND, RDL=1.0		ug/L	



BUREAU
VERITAS

Bureau Veritas Job #: C206851

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dicamba	2022/01/20	ND, RDL=1.0		ug/L	
			Diclofop-methyl	2022/01/20	ND, RDL=0.90		ug/L	
			Dimethoate	2022/01/20	ND, RDL=2.5		ug/L	
			Dinoseb	2022/01/20	ND, RDL=1.0		ug/L	
			Malathion	2022/01/20	ND, RDL=5.0		ug/L	
			MCPA	2022/01/20	ND, RDL=10		ug/L	
			Metolachlor	2022/01/20	ND, RDL=0.50		ug/L	
			Metribuzin (Sencor)	2022/01/20	ND, RDL=5.0		ug/L	
			Ethyl Parathion	2022/01/20	ND, RDL=1.0		ug/L	
			Pentachlorophenol	2022/01/20	ND, RDL=0.50		ug/L	
			Phorate	2022/01/20	ND, RDL=0.50		ug/L	
			Picloram	2022/01/20	ND, RDL=5.0		ug/L	
			Prometryne	2022/01/20	ND, RDL=0.25		ug/L	
			Simazine	2022/01/20	ND, RDL=1.0		ug/L	
			Terbufos	2022/01/20	ND, RDL=0.50		ug/L	
			Triallate	2022/01/20	ND, RDL=1.0		ug/L	
			Trifluralin	2022/01/20	ND, RDL=1.0		ug/L	
			Benzo(a)pyrene	2022/01/20	ND, RDL=0.0050		ug/L	
			Methyl parathion	2022/01/20	ND, RDL=1.0		ug/L	

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



BUREAU
VERITAS

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WSH Labs
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Your P.O. #: 8187
Sampler Initials: BW

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

Melissa DiGrazia, Operations Manager, HRMS Department

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



H₂O Pro Inc.
Box 592
Cochrane, AB T4C 1A7

Phone: (403) 921-8949 **Lab Number:** 92516
Fax: (403) 851-9990
Email: **PO Number:**

Sample Info: Wintergreen
Dee
WWTP

Sampled By: Colby
Date Sampled: 4/25/2022
Date Received: 4/25/2022
Date Reported: 5/3/2022

TEST REPORT

Trihalomethanes	Units	Result	CDW Guideline Maximum	Detection Limit
Trihalomethanes, Total	mg/L	0.017	MAC: 0.1	0.0013
Chloroform	mg/L	0.014	No Guideline	0.0005
Bromodichloromethane	mg/L	0.0026	No Guideline	0.0005
Dibromochloromethane	mg/L	<0.001	No Guideline	0.001
Bromoform	mg/L	<0.0005	No Guideline	0.0005

Haloacetic Acids	Units	Result	CDW Guideline Maximum	Detection Limit
Monochloroacetic Acid (MCAA)	µg/L	<5.0	No Guideline	5.0
Monobromoacetic Acid (MBAA)	µg/L	<5.0	No Guideline	5.0
Dichloroacetic Acid (DCAA)	µg/L	<5.0	No Guideline	5.0
Trichloroacetic Acid (TCAA)	µg/L	<5.0	No Guideline	5.0
Bromochloroacetic Acid (BCAA)	µg/L	<5.0	No Guideline	5.0
Dibromoacetic Acid (DBAA)	µg/L	<5.0	No Guideline	5.0
Total Haloacetic Acids	µg/L	<5.0	MAC: 80	5.0

WSH Labs (1992) Ltd. as per: _____

Legalities**Lab Number:** 92516

- (1) The results above are related only to the items analyzed.
- (2) Results apply to the sample(s) as received.
- (3) Analytical determinations were performed in Calgary, AB. 3851B - 21 Street NE.
- (4) Condition of sample(s) upon receipt:
Acceptable
- (5) External provider(s) of laboratory results:
Trihalomethanes & HAAS sublet to BV Labs

References

- (1) Accredited by CALA to ISO/IEC 17025 for specific tests.
- (2) Guidelines for Canadian Drinking Water Quality are provided courtesy of Health Canada, September 2020.
https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/summary-table-EN-2020-02-11.pdf

Acronyms & Nomenclatures

< denotes less than detection limit	MAC = Maximum Acceptable Concentration
> denotes greater than	OG = Operational Guidance Value
AO = Aesthetic Objective	TNTC = Too Numerous To Count (>80 colonies)
CDW = Canadian Drinking Water	

Standard Methods for the Examination of Water and Wastewater 23rd Edition (2017)

- Alkalinity.** 2320 B. Titration Method.
Ammonia Nitrogen. 4500-NH₃ C. Titrimetric Method.
Anions. 4110 B. Ion Chromatography with Chemical Suppression of Eluent Conductivity.
Biochemical Oxygen Demand. 5210 B. 5-Day BOD Test.
Color. 2120 B. Visual Comparison Method.
Conductivity. 2510 B. Laboratory Method.
Fluoride. 4500-F⁻ C. Ion-Selective Electrode Method.
Hardness. 2340 B. Hardness by Calculation.
Metals. 3125 B. Inductively Coupled Plasma / Mass Spectrometry (ICP-MS) Method.
Organic Carbon. 5310 B. High-Temperature Combustion Method.
pH. 4500-H⁺ B. Electrometric Method.
Total Kjeldahl Nitrogen / Nitrogen (Organic). 4500-Norg B. Macro-Kjeldahl Method.
Total Suspended Solids. 2540 D. Total Suspended Solids Dried at 103-105°C.
Turbidity. 2130 B. Nephelometric Method.

Hach Methods

- Chemical Oxygen Demand.** Hach Method 8000.
Chlorine, Total & Free. As per Hach CN66 Test Kit Instructions.
Coliforms, Total and E. coli. (Membrane Filtration). Hach Method 10029.
Ortho-Phosphate. Hach Method 8048.
Sulfides. Hach Method 8131.
Tannin & Lignin. Hach Method 8193.
Total Phosphate. Hach Method 8190.



H₂O Pro Inc.
 Box 592
 Cochrane, AB T4C 1A7

Phone: (403) 921-8949 **Lab Number:** 93078
Fax: (403) 851-9990
Email: **PO Number:**

Sample Info: Wintergreen
 DEE

Sampled By: Colby
Date Sampled: 7/18/2022
Date Received: 7/18/2022
Date Reported: 8/9/2022

TEST REPORT

Analyte	Units	Result	CDW Guideline Maximum	Detection Limit
Calcium	mg/L	55.0	No Guideline	0.02
Iron	mg/L	0.04	AO: 0.3	0.03
Magnesium	mg/L	14.3	No Guideline	0.02
Manganese	mg/L	<0.01	AO: 0.02, MAC: 0.12	0.01
Potassium	mg/L	0.6	No Guideline	0.02
Sodium	mg/L	5.0	AO: 200	0.02
Bicarbonates	mg/L	152	No Guideline	-
Bromides	mg/L	0.7	No Guideline	0.2
Carbonates	mg/L	0	No Guideline	-
Chlorides	mg/L	14.0	AO: 250	0.1
Fluorides	mg/L	0.18	MAC: 1.5	0.02
Nitrates as N	mg/L	0.17	MAC: 10	0.04
Nitrites as N	mg/L	<0.05	MAC: 1	0.05
NO ₃ + NO ₂ as N	mg/L	0.17	No Guideline	0.04
Sulfates	mg/L	58	AO: 500	0.9

Parameter	Units	Result	CDW Guideline Maximum	Detection Limit
Electrical Conductivity (at 25°C)	µS/cm	390	No Guideline	0.2
pH	pH	7.73	7.0 - 10.5	-
Hardness (as CaCO ₃)	mg/L	196	No Guideline	0.1
Total Alkalinity (as CaCO ₃)	mg/L	125	No Guideline	3
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline	-
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline	-
Total Dissolved Solids (calculated)	mg/L	222	AO: 500	4
Sulfides as S	mg/L	<0.02	AO: 0.05	0.02
Color	TCU	<5	AO: 15	5
Ammonia Nitrogen	mg/L	<0.9	No Guideline	0.9
Total Organic Carbon	mg/L	4.5	No Guideline	0.5
Bromate	mg/L	<0.0095	MAC: 0.01	0.0095
Chloramines	mg/L	<0.1	No Guideline	0.1
Chlorate	mg/L	0.54	MAC: 1	0.10
Chlorite	mg/L	<0.10	MAC: 1	0.10

Sum of Cations	4.15	TDS / EC Ratio	0.57
Sum of Anions	4.12	Sodium Adsorption Ratio	0.16
Ion Balance	1.01	Saturation Index	0.17

Lab Number: 93078

Trace Metals	Units	Result	CDW Guideline Maximum	Detection Limit
Boron	µg/L	17.3	MAC: 5000	0.5
Aluminum	µg/L	925	OG: 100, MAC 2900	0.2
Chromium	µg/L	0.3	MAC: 50	0.1
Copper	µg/L	1.7	AO: 1000, MAC: 2000	0.08
Zinc	µg/L	10.7	AO: 5000	0.2
Arsenic	µg/L	0.06	MAC: 10	0.04
Selenium	µg/L	0.6	MAC: 50	0.04
Silver	µg/L	<0.04	No Guideline	0.04
Cadmium	µg/L	<0.05	MAC: 7	0.05
Antimony	µg/L	<0.3	MAC: 6	0.3
Barium	µg/L	50.6	MAC: 2000	0.1
Mercury	µg/L	<0.05	MAC: 1	0.05
Lead	µg/L	<0.1	MAC: 5	0.1
Uranium	µg/L	0.2	MAC: 20	0.04

WSH Labs (1992) Ltd. as per: _____

Legalities**Lab Number:** 93078

- (1) The results above are related only to the items analyzed.
- (2) Results apply to the sample(s) as received.
- (3) Analytical determinations were performed in Calgary, AB. 3851B - 21 Street NE.
- (4) Condition of sample(s) upon receipt:
Acceptable
- (5) External provider(s) of laboratory results:
BV Labs

References

- (1) Accredited by CALA to ISO/IEC 17025 for specific tests.
- (2) Guidelines for Canadian Drinking Water Quality are provided courtesy of Health Canada, September 2020.
https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/summary-table-EN-2020-02-11.pdf

Acronyms & Nomenclatures

< denotes less than detection limit	MAC = Maximum Acceptable Concentration
> denotes greater than	OG = Operational Guidance Value
AO = Aesthetic Objective	TNTC = Too Numerous To Count (>80 colonies)
CDW = Canadian Drinking Water	

Standard Methods for the Examination of Water and Wastewater 23rd Edition (2017)

- Alkalinity.** 2320 B. Titration Method.
- Ammonia Nitrogen.** 4500-NH₃ C. Titrimetric Method.
- Anions.** 4110 B. Ion Chromatography with Chemical Suppression of Eluent Conductivity.
- Biochemical Oxygen Demand.** 5210 B. 5-Day BOD Test.
- Color.** 2120 B. Visual Comparison Method.
- Conductivity.** 2510 B. Laboratory Method.
- Fluoride.** 4500-F⁻ C. Ion-Selective Electrode Method.
- Hardness.** 2340 B. Hardness by Calculation.
- Metals.** 3125 B. Inductively Coupled Plasma / Mass Spectrometry (ICP-MS) Method.
- Organic Carbon.** 5310 B. High-Temperature Combustion Method.
- pH.** 4500-H⁺ B. Electrometric Method.
- Total Kjeldahl Nitrogen / Nitrogen (Organic).** 4500-Norg B. Macro-Kjeldahl Method.
- Total Suspended Solids.** 2540 D. Total Suspended Solids Dried at 103-105°C.
- Turbidity.** 2130 B. Nephelometric Method.

Hach Methods

- Chemical Oxygen Demand.** Hach Method 8000.
- Chlorine, Total & Free.** As per Hach CN66 Test Kit Instructions.
- Coliforms, Total and E. coli. (Membrane Filtration).** Hach Method 10029.
- Ortho-Phosphate.** Hach Method 8048.
- Sulfides.** Hach Method 8131.
- Tannin & Lignin.** Hach Method 8193.
- Total Phosphate.** Hach Method 8190.



Your P.O. #: 8243
 Your Project #: WINTERGREEN
 Site Location: DEE
 Your C.O.C. #: n/a

Attention: Bill Wong

WSH Labs
 3851B - 21 St NE
 Calgary, AB
 CANADA T2E 6T5

Report Date: 2022/08/08

Report #: R7243724

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2K2620

Received: 2022/07/20, 09:16

Sample Matrix: Water
 # Samples Received: 1

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Total Cyanide	1	2022/07/22	2022/07/22	CAM SOP-00457	OMOE E3015 5 m
Diuron, Guthion, Temephos	1	2022/07/22	2022/07/25	CAM SOP-00306	EPA 532 m
Glyphosate	1	2022/07/20	2022/07/21	CAM SOP-00305	HPLC in-house method
Haloacetic Acids in Water	1	2022/07/25	2022/07/26	CAM SOP-00954	EPA 552.2 m
NDMA in Drinking Water (MSABN-3291Amod)	1	2022/07/27	2022/08/03	BRL SOP-00012	MOE Method E3388
Nitrilotriacetic Acid (NTA) (1)	1	2022/07/21	2022/07/21	CAM SOP-00411	EPA 430.1 m
OC Pesticides (Selected) & PCB (2)	1	2022/07/25	2022/07/27	CAM SOP-00307	EPA 8081A/ 8082B m
OC Pesticides Summed Parameters	1	N/A	2022/07/21	CAM SOP-00307	EPA 8081A/8082B m
ODWS - Semi-Volatiles	1	2022/07/26	2022/07/27	CAM SOP-00301	EPA 8270 m
VOCs (Drinking Water)	1	N/A	2022/07/22	CAM SOP-00226	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas 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 Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your P.O. #: 8243
Your Project #: WINTERGREEN
Site Location: DEE
Your C.O.C. #: n/a

Attention: Bill Wong

WSH Labs
3851B - 21 St NE
Calgary , AB
CANADA T2E 6T5

Report Date: 2022/08/08
Report #: R7243724
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2K2620

Received: 2022/07/20, 09:16

(1) Bureau Veritas attempt to commence NTA analysis as soon as possible in accordance with the reference method. However, rapid analysis may not be practically achievable, particularly for samples from remote locations. Extended delay in analysis times may increase the uncertainty of the test results, but does not necessarily imply that the results are compromised.

(2) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

James Aspin, Senior Project Manager
Email: James.Aspin@bureauveritas.com
Phone# (905)817-5771

=====

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

HALOACETIC ACIDS BY GC-ECD (WATER)

Bureau Veritas ID		TFK002		
Sampling Date		2022/07/18 13:10		
COC Number		n/a		
	UNITS	93078	RDL	QC Batch
Miscellaneous Parameters				
Monochloroacetic Acid (MCAA)	ug/L	ND	5.0	8129365
Monobromoacetic Acid (MBAA)	ug/L	ND	5.0	8129365
Dichloroacetic Acid (DCAA)	ug/L	8.7	5.0	8129365
Trichloroacetic Acid (TCAA)	ug/L	10	5.0	8129365
Bromochloroacetic Acid (BCAA)	ug/L	ND	5.0	8129365
Dibromoacetic Acid (DBAA)	ug/L	ND	5.0	8129365
Total haloacetic acids	ug/L	19	5.0	8129365
Surrogate Recovery (%)				
2,3-Dibromopropionic Acid	%	125	N/A	8129365
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

Bureau Veritas ID		TFK002		
Sampling Date		2022/07/18 13:10		
COC Number		n/a		
	UNITS	93078	RDL	QC Batch
Calculated Parameters				
Aldrin + Dieldrin	ug/L	ND	0.006	8119977
Chlordane (Total)	ug/L	ND	0.006	8119977
DDT+ Metabolites	ug/L	ND	0.006	8119977
Heptachlor + Heptachlor epoxide	ug/L	ND	0.006	8119977
o,p-DDD + p,p-DDD	ug/L	ND	0.006	8119977
o,p-DDE + p,p-DDE	ug/L	ND	0.006	8119977
o,p-DDT + p,p-DDT	ug/L	ND	0.006	8119977
Total Endosulfan	ug/L	ND	0.005	8119977
Total PCB	ug/L	ND	0.05	8119977
Pesticides & Herbicides				
Lindane	ug/L	ND	0.0060	8128087
Heptachlor	ug/L	ND	0.0060	8128087
Aldrin	ug/L	ND	0.0060	8128087
Heptachlor epoxide	ug/L	ND	0.0060	8128087
Oxychlordane	ug/L	ND	0.0060	8128087
g-Chlordane	ug/L	ND	0.0060	8128087
a-Chlordane	ug/L	ND	0.0060	8128087
Dieldrin	ug/L	ND	0.0060	8128087
o,p-DDE	ug/L	ND	0.0060	8128087
p,p-DDE	ug/L	ND	0.0060	8128087
o,p-DDD	ug/L	ND	0.0060	8128087
p,p-DDD	ug/L	ND	0.0060	8128087
o,p-DDT	ug/L	ND	0.0060	8128087
p,p-DDT	ug/L	ND	0.0060	8128087
Methoxychlor	ug/L	ND	0.024	8128087
Aroclor 1016	ug/L	ND	0.050	8128087
Aroclor 1221	ug/L	ND	0.050	8128087
Aroclor 1232	ug/L	ND	0.050	8128087
Aroclor 1242	ug/L	ND	0.050	8128087
Aroclor 1248	ug/L	ND	0.050	8128087
Aroclor 1254	ug/L	ND	0.050	8128087
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

Bureau Veritas ID		TFK002		
Sampling Date		2022/07/18 13:10		
COC Number		n/a		
	UNITS	93078	RDL	QC Batch
Aroclor 1260	ug/L	ND	0.050	8128087
Surrogate Recovery (%)				
2,4,5,6-Tetrachloro-m-xylene	%	63	N/A	8128087
Decachlorobiphenyl	%	105	N/A	8128087
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

PESTICIDES & HERBICIDES BY HPLC (WATER)

Bureau Veritas ID		TFK002		
Sampling Date		2022/07/18 13:10		
COC Number		n/a		
	UNITS	93078	RDL	QC Batch
Pesticides & Herbicides				
Glyphosate	ug/L	ND	10	8121271
Diuron	ug/L	ND	10	8126756
Guthion (Azinphos-methyl)	ug/L	ND	2.0	8126756
Temephos	ug/L	ND	10	8126756
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		TFK002		
Sampling Date		2022/07/18 13:10		
COC Number		n/a		
	UNITS	93078	RDL	QC Batch
Inorganics				
Total Cyanide (CN)	mg/L	ND	0.0050	8124613
Miscellaneous Parameters				
NTA	mg/L	ND	0.050	8121918
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		TFK002		
Sampling Date		2022/07/18 13:10		
COC Number		n/a		
	UNITS	93078	RDL	QC Batch
Semivolatile Organics				
2,3,4,6-Tetrachlorophenol	ug/L	ND	0.50	8130496
2,4,5-T	ug/L	ND	1.0	8130496
2,4,6-Trichlorophenol	ug/L	ND	0.50	8130496
2,4-D	ug/L	ND	1.0	8130496
2,4-Dichlorophenol	ug/L	ND	0.25	8130496
Alachlor	ug/L	ND	0.50	8130496
Aldicarb	ug/L	ND	5.0	8130496
Atrazine	ug/L	ND	0.50	8130496
Des-ethyl atrazine	ug/L	ND	0.50	8130496
Atrazine + Desethyl-atrazine	ug/L	ND	1.0	8130496
Bendiocarb	ug/L	ND	2.0	8130496
Bromoxynil	ug/L	ND	0.50	8130496
Carbaryl	ug/L	ND	5.0	8130496
Carbofuran	ug/L	ND	5.0	8130496
Chlorpyrifos (Dursban)	ug/L	ND	1.0	8130496
Cyanazine (Bladex)	ug/L	ND	1.0	8130496
Diazinon	ug/L	ND	1.0	8130496
Dicamba	ug/L	ND	1.0	8130496
Diclofop-methyl	ug/L	ND	0.90	8130496
Dimethoate	ug/L	ND	2.5	8130496
Dinoseb	ug/L	ND	1.0	8130496
Malathion	ug/L	ND	5.0	8130496
MCPA	ug/L	ND	10	8130496
Metolachlor	ug/L	ND	0.50	8130496
Metribuzin (Sencor)	ug/L	ND	5.0	8130496
Ethyl Parathion	ug/L	ND	1.0	8130496
Pentachlorophenol	ug/L	ND	0.50	8130496
Phorate	ug/L	ND	0.50	8130496
Picloram	ug/L	ND	5.0	8130496
Prometryne	ug/L	ND	0.25	8130496
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		TFK002		
Sampling Date		2022/07/18 13:10		
COC Number		n/a		
	UNITS	93078	RDL	QC Batch
Simazine	ug/L	ND	1.0	8130496
Terbufos	ug/L	ND	0.50	8130496
Triallate	ug/L	ND	1.0	8130496
Trifluralin	ug/L	ND	1.0	8130496
Benzo(a)pyrene	ug/L	ND	0.0050	8130496
Methyl parathion	ug/L	ND	1.0	8130496
Surrogate Recovery (%)				
2,4,6-Tribromophenol	%	84	N/A	8130496
2,4-Dichlorophenyl Acetic Acid	%	22 (1)	N/A	8130496
2-Fluorobiphenyl	%	85	N/A	8130496
D14-Terphenyl (FS)	%	98	N/A	8130496
D5-Nitrobenzene	%	87	N/A	8130496
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable (1) Surrogate recovery was below the lower control limit . This may represent a low bias in some results.				



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

SEMI-VOLATILE ORGANICS BY HRMS (WATER)

Bureau Veritas ID		TFK002		
Sampling Date		2022/07/18 13:10		
COC Number		n/a		
	UNITS	93078	RDL	QC Batch
Semivolatile Organics				
N-Nitrosodimethylamine	ug/L	ND	0.0009	8132663
Surrogate Recovery (%)				
D6-N-Nitrosodimethylamine	%	33	N/A	8132663
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

VOLATILE ORGANICS BY GC/MS (WATER)

Bureau Veritas ID		TFK002		
Sampling Date		2022/07/18 13:10		
COC Number		n/a		
	UNITS	93078	RDL	QC Batch
Volatiles Organics				
1,1-Dichloroethylene	ug/L	ND	0.10	8118035
1,2-Dichlorobenzene	ug/L	ND	0.20	8118035
1,2-Dichloroethane	ug/L	ND	0.20	8118035
1,4-Dichlorobenzene	ug/L	ND	0.20	8118035
Benzene	ug/L	ND	0.10	8118035
Bromodichloromethane	ug/L	2.73	0.10	8118035
Bromoform	ug/L	ND	0.20	8118035
Carbon Tetrachloride	ug/L	ND	0.10	8118035
Chlorobenzene	ug/L	ND	0.10	8118035
Chloroform	ug/L	20.4	0.10	8118035
Dibromochloromethane	ug/L	0.28	0.20	8118035
Methylene Chloride(Dichloromethane)	ug/L	ND	0.50	8118035
Ethylbenzene	ug/L	ND	0.10	8118035
Methyl t-butyl ether (MTBE)	ug/L	ND	0.20	8118035
Tetrachloroethylene	ug/L	ND	0.10	8118035
Toluene	ug/L	ND	0.20	8118035
Trichloroethylene	ug/L	ND	0.10	8118035
Vinyl Chloride	ug/L	ND	0.20	8118035
o-Xylene	ug/L	ND	0.10	8118035
p+m-Xylene	ug/L	ND	0.10	8118035
Total Trihalomethanes	ug/L	23.5	0.20	8118035
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	100	N/A	8118035
D4-1,2-Dichloroethane	%	98	N/A	8118035
D8-Toluene	%	100	N/A	8118035
RDL = Reportable Detection Limit QC Batch = Quality Control Batch ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

GENERAL COMMENTS

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

Package 1	3.0°C
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Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

QUALITY ASSURANCE REPORT

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits	
8118035	GMN	Matrix Spike	4-Bromofluorobenzene	2022/07/22	103	%	70 - 130			
			D4-1,2-Dichloroethane	2022/07/22	101	%	70 - 130			
			D8-Toluene	2022/07/22	100	%	70 - 130			
			1,1-Dichloroethylene	2022/07/22	97	%	70 - 130			
			1,2-Dichlorobenzene	2022/07/22	97	%	70 - 130			
			1,2-Dichloroethane	2022/07/22	96	%	70 - 130			
			1,4-Dichlorobenzene	2022/07/22	114	%	70 - 130			
			Benzene	2022/07/22	93	%	70 - 130			
			Bromodichloromethane	2022/07/22	108	%	70 - 130			
			Bromoform	2022/07/22	108	%	70 - 130			
			Carbon Tetrachloride	2022/07/22	101	%	70 - 130			
			Chlorobenzene	2022/07/22	99	%	70 - 130			
			Chloroform	2022/07/22	NC	%	70 - 130			
			Dibromochloromethane	2022/07/22	104	%	70 - 130			
			Methylene Chloride(Dichloromethane)	2022/07/22	103	%	70 - 130			
			Ethylbenzene	2022/07/22	95	%	70 - 130			
			Methyl t-butyl ether (MTBE)	2022/07/22	103	%	70 - 130			
			Tetrachloroethylene	2022/07/22	93	%	70 - 130			
			Toluene	2022/07/22	95	%	70 - 130			
			Trichloroethylene	2022/07/22	103	%	70 - 130			
			Vinyl Chloride	2022/07/22	98	%	70 - 130			
			o-Xylene	2022/07/22	97	%	70 - 130			
			p+m-Xylene	2022/07/22	102	%	70 - 130			
			8118035	GMN	Spiked Blank	4-Bromofluorobenzene	2022/07/22	101	%	70 - 130
						D4-1,2-Dichloroethane	2022/07/22	99	%	70 - 130
						D8-Toluene	2022/07/22	99	%	70 - 130
1,1-Dichloroethylene	2022/07/22	99				%	70 - 130			
1,2-Dichlorobenzene	2022/07/22	98				%	70 - 130			
1,2-Dichloroethane	2022/07/22	95				%	70 - 130			
1,4-Dichlorobenzene	2022/07/22	117				%	70 - 130			
Benzene	2022/07/22	95				%	70 - 130			
Bromodichloromethane	2022/07/22	104				%	70 - 130			
Bromoform	2022/07/22	104				%	70 - 130			
Carbon Tetrachloride	2022/07/22	103				%	70 - 130			
Chlorobenzene	2022/07/22	100				%	70 - 130			
Chloroform	2022/07/22	99				%	70 - 130			
Dibromochloromethane	2022/07/22	101				%	70 - 130			
Methylene Chloride(Dichloromethane)	2022/07/22	105				%	70 - 130			
Ethylbenzene	2022/07/22	97				%	70 - 130			
Methyl t-butyl ether (MTBE)	2022/07/22	102				%	70 - 130			
Tetrachloroethylene	2022/07/22	94				%	70 - 130			
Toluene	2022/07/22	96				%	70 - 130			
Trichloroethylene	2022/07/22	105				%	70 - 130			
Vinyl Chloride	2022/07/22	102				%	70 - 130			
o-Xylene	2022/07/22	98				%	70 - 130			
p+m-Xylene	2022/07/22	104				%	70 - 130			
8118035	GMN	Method Blank				4-Bromofluorobenzene	2022/07/22	97	%	70 - 130
						D4-1,2-Dichloroethane	2022/07/22	92	%	70 - 130
						D8-Toluene	2022/07/22	102	%	70 - 130



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			1,1-Dichloroethylene	2022/07/22	ND, RDL=0.10		ug/L	
			1,2-Dichlorobenzene	2022/07/22	ND, RDL=0.20		ug/L	
			1,2-Dichloroethane	2022/07/22	ND, RDL=0.20		ug/L	
			1,4-Dichlorobenzene	2022/07/22	ND, RDL=0.20		ug/L	
			Benzene	2022/07/22	ND, RDL=0.10		ug/L	
			Bromodichloromethane	2022/07/22	ND, RDL=0.10		ug/L	
			Bromoform	2022/07/22	ND, RDL=0.20		ug/L	
			Carbon Tetrachloride	2022/07/22	ND, RDL=0.10		ug/L	
			Chlorobenzene	2022/07/22	ND, RDL=0.10		ug/L	
			Chloroform	2022/07/22	ND, RDL=0.10		ug/L	
			Dibromochloromethane	2022/07/22	ND, RDL=0.20		ug/L	
			Methylene Chloride(Dichloromethane)	2022/07/22	ND, RDL=0.50		ug/L	
			Ethylbenzene	2022/07/22	ND, RDL=0.10		ug/L	
			Methyl t-butyl ether (MTBE)	2022/07/22	ND, RDL=0.20		ug/L	
			Tetrachloroethylene	2022/07/22	ND, RDL=0.10		ug/L	
			Toluene	2022/07/22	ND, RDL=0.20		ug/L	
			Trichloroethylene	2022/07/22	ND, RDL=0.10		ug/L	
			Vinyl Chloride	2022/07/22	ND, RDL=0.20		ug/L	
			o-Xylene	2022/07/22	ND, RDL=0.10		ug/L	
			p+m-Xylene	2022/07/22	ND, RDL=0.10		ug/L	
			Total Trihalomethanes	2022/07/22	ND, RDL=0.20		ug/L	
8118035	GMN	RPD	1,1-Dichloroethylene	2022/07/22	NC		%	30
			1,2-Dichlorobenzene	2022/07/22	NC		%	30
			1,2-Dichloroethane	2022/07/22	NC		%	30
			1,4-Dichlorobenzene	2022/07/22	NC		%	30
			Benzene	2022/07/22	NC		%	30
			Bromodichloromethane	2022/07/22	3.0		%	30
			Bromoform	2022/07/22	NC		%	30
			Carbon Tetrachloride	2022/07/22	NC		%	30
			Chlorobenzene	2022/07/22	NC		%	30



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Chloroform	2022/07/22	4.3		%	30
			Dibromochloromethane	2022/07/22	NC		%	30
			Methylene Chloride(Dichloromethane)	2022/07/22	NC		%	30
			Ethylbenzene	2022/07/22	NC		%	30
			Methyl t-butyl ether (MTBE)	2022/07/22	NC		%	30
			Tetrachloroethylene	2022/07/22	NC		%	30
			Toluene	2022/07/22	NC		%	30
			Trichloroethylene	2022/07/22	NC		%	30
			Vinyl Chloride	2022/07/22	NC		%	30
			o-Xylene	2022/07/22	NC		%	30
			p+m-Xylene	2022/07/22	NC		%	30
			Total Trihalomethanes	2022/07/22	4.2		%	30
8121271	FKU	Matrix Spike	Glyphosate	2022/07/21		92	%	50 - 130
8121271	FKU	Spiked Blank	Glyphosate	2022/07/21		96	%	50 - 130
8121271	FKU	Method Blank	Glyphosate	2022/07/21	ND, RDL=10		ug/L	
8121271	FKU	RPD	Glyphosate	2022/07/21	NC		%	40
8121918	VRO	Matrix Spike [TFK002-06]	NTA	2022/07/21		105	%	80 - 120
8121918	VRO	Spiked Blank	NTA	2022/07/21		94	%	80 - 120
8121918	VRO	Method Blank	NTA	2022/07/21	ND, RDL=0.050		mg/L	
8121918	VRO	RPD [TFK002-06]	NTA	2022/07/21	NC		%	20
8124613	GYA	Matrix Spike	Total Cyanide (CN)	2022/07/22		94	%	80 - 120
8124613	GYA	Spiked Blank	Total Cyanide (CN)	2022/07/22		100	%	80 - 120
8124613	GYA	Method Blank	Total Cyanide (CN)	2022/07/22	ND, RDL=0.0050		mg/L	
8124613	GYA	RPD	Total Cyanide (CN)	2022/07/22	2.9		%	20
8126756	KIH	Matrix Spike [TFK002-03]	Diuron	2022/07/25		124	%	40 - 130
			Guthion (Azinphos-methyl)	2022/07/25		49 (1)	%	40 - 130
			Temephos	2022/07/25		19 (1)	%	40 - 130
8126756	KIH	Spiked Blank	Diuron	2022/07/25		118	%	40 - 130
			Guthion (Azinphos-methyl)	2022/07/25		105	%	40 - 130
			Temephos	2022/07/25		88	%	40 - 130
8126756	KIH	Method Blank	Diuron	2022/07/25	ND, RDL=10		ug/L	
			Guthion (Azinphos-methyl)	2022/07/25	ND, RDL=2.0		ug/L	
			Temephos	2022/07/25	ND, RDL=10		ug/L	
8126756	KIH	RPD	Diuron	2022/07/25	NC		%	40
			Guthion (Azinphos-methyl)	2022/07/25	NC		%	40
			Temephos	2022/07/25	NC		%	40
8128087	LPG	Matrix Spike [TFK002-01]	2,4,5,6-Tetrachloro-m-xylene	2022/07/27		30	%	30 - 130
			Decachlorobiphenyl	2022/07/27		96	%	30 - 130
			Lindane	2022/07/27		83	%	30 - 130
			Heptachlor	2022/07/27		93	%	30 - 130
			Aldrin	2022/07/27		70	%	30 - 130
			Heptachlor epoxide	2022/07/27		93	%	30 - 130
			Oxychlordan	2022/07/27		81	%	30 - 130
			g-Chlordane	2022/07/27		80	%	30 - 130



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8128087	LPG	Spiked Blank	a-Chlordane	2022/07/27		79	%	30 - 130
			Dieldrin	2022/07/27		105	%	30 - 130
			o,p-DDE	2022/07/27		76	%	30 - 130
			p,p-DDE	2022/07/27		86	%	30 - 130
			o,p-DDD	2022/07/27		99	%	30 - 130
			p,p-DDD	2022/07/27		113	%	30 - 130
			o,p-DDT	2022/07/27		116	%	30 - 130
			p,p-DDT	2022/07/27		95	%	30 - 130
			Methoxychlor	2022/07/27		100	%	30 - 130
			2,4,5,6-Tetrachloro-m-xylene	2022/07/27		59	%	30 - 130
			Decachlorobiphenyl	2022/07/27		100	%	30 - 130
			Lindane	2022/07/27		86	%	30 - 130
			Heptachlor	2022/07/27		103	%	30 - 130
			Aldrin	2022/07/27		79	%	30 - 130
			Heptachlor epoxide	2022/07/27		96	%	30 - 130
			Oxychlordane	2022/07/27		88	%	30 - 130
			g-Chlordane	2022/07/27		95	%	30 - 130
			a-Chlordane	2022/07/27		94	%	30 - 130
			Dieldrin	2022/07/27		115	%	30 - 130
			o,p-DDE	2022/07/27		84	%	30 - 130
			p,p-DDE	2022/07/27		91	%	30 - 130
			o,p-DDD	2022/07/27		114	%	30 - 130
			p,p-DDD	2022/07/27		114	%	30 - 130
o,p-DDT	2022/07/27		113	%	30 - 130			
p,p-DDT	2022/07/27		97	%	30 - 130			
Methoxychlor	2022/07/27		99	%	30 - 130			
8128087	LPG	RPD	Lindane	2022/07/27	3.3		%	40
			Heptachlor	2022/07/27	8.8		%	40
			Aldrin	2022/07/27	0.82		%	40
			Heptachlor epoxide	2022/07/27	1.7		%	40
			Oxychlordane	2022/07/27	1.5		%	40
			g-Chlordane	2022/07/27	4.1		%	40
			a-Chlordane	2022/07/27	2.1		%	40
			Dieldrin	2022/07/27	5.1		%	40
			o,p-DDE	2022/07/27	2.7		%	40
			p,p-DDE	2022/07/27	2.5		%	40
			o,p-DDD	2022/07/27	3.6		%	40
			p,p-DDD	2022/07/27	1.1		%	40
			o,p-DDT	2022/07/27	2.1		%	40
			p,p-DDT	2022/07/27	2.8		%	40
			Methoxychlor	2022/07/27	1.6		%	40
8128087	LPG	Method Blank	2,4,5,6-Tetrachloro-m-xylene	2022/07/27		56	%	30 - 130
			Decachlorobiphenyl	2022/07/27		104	%	30 - 130
			Lindane	2022/07/27	ND, RDL=0.0060		ug/L	
			Heptachlor	2022/07/27	ND, RDL=0.0060		ug/L	
			Aldrin	2022/07/27	ND, RDL=0.0060		ug/L	



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
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Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Heptachlor epoxide	2022/07/27	ND, RDL=0.0060		ug/L	
			Oxychlordan	2022/07/27	ND, RDL=0.0060		ug/L	
			g-Chlordane	2022/07/27	ND, RDL=0.0060		ug/L	
			a-Chlordane	2022/07/27	ND, RDL=0.0060		ug/L	
			Dieldrin	2022/07/27	ND, RDL=0.0060		ug/L	
			o,p-DDE	2022/07/27	ND, RDL=0.0060		ug/L	
			p,p-DDE	2022/07/27	ND, RDL=0.0060		ug/L	
			o,p-DDD	2022/07/27	ND, RDL=0.0060		ug/L	
			p,p-DDD	2022/07/27	ND, RDL=0.0060		ug/L	
			o,p-DDT	2022/07/27	ND, RDL=0.0060		ug/L	
			p,p-DDT	2022/07/27	ND, RDL=0.0060		ug/L	
			Methoxychlor	2022/07/27	ND, RDL=0.024		ug/L	
			Aroclor 1016	2022/07/27	ND, RDL=0.050		ug/L	
			Aroclor 1221	2022/07/27	ND, RDL=0.050		ug/L	
			Aroclor 1232	2022/07/27	ND, RDL=0.050		ug/L	
			Aroclor 1242	2022/07/27	ND, RDL=0.050		ug/L	
			Aroclor 1248	2022/07/27	ND, RDL=0.050		ug/L	
			Aroclor 1254	2022/07/27	ND, RDL=0.050		ug/L	
			Aroclor 1260	2022/07/27	ND, RDL=0.050		ug/L	
8129365	MAK	Matrix Spike	2,3-Dibromopropionic Acid	2022/07/26		106	%	70 - 130
			Monochloroacetic Acid (MCAA)	2022/07/26		83	%	60 - 140
			Monobromoacetic Acid (MBAA)	2022/07/26		83	%	60 - 140
			Dichloroacetic Acid (DCAA)	2022/07/26		81	%	60 - 140
			Trichloroacetic Acid (TCAA)	2022/07/26		89	%	60 - 140
			Bromochloroacetic Acid (BCAA)	2022/07/26		95	%	60 - 140
			Dibromoacetic Acid (DBAA)	2022/07/26		99	%	60 - 140
8129365	MAK	Spiked Blank	2,3-Dibromopropionic Acid	2022/07/26		97	%	70 - 130
			Monochloroacetic Acid (MCAA)	2022/07/26		83	%	70 - 130
			Monobromoacetic Acid (MBAA)	2022/07/26		83	%	70 - 130
			Dichloroacetic Acid (DCAA)	2022/07/26		78	%	70 - 130
			Trichloroacetic Acid (TCAA)	2022/07/26		83	%	70 - 130
			Bromochloroacetic Acid (BCAA)	2022/07/26		88	%	70 - 130



BUREAU
VERITAS

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8129365	MAK	Method Blank	Dibromoacetic Acid (DBAA)	2022/07/26		91	%	70 - 130
			2,3-Dibromopropionic Acid	2022/07/26		95	%	70 - 130
			Monochloroacetic Acid (MCAA)	2022/07/26	ND, RDL=5.0		ug/L	
			Monobromoacetic Acid (MBAA)	2022/07/26	ND, RDL=5.0		ug/L	
			Dichloroacetic Acid (DCAA)	2022/07/26	ND, RDL=5.0		ug/L	
			Trichloroacetic Acid (TCAA)	2022/07/26	ND, RDL=5.0		ug/L	
			Bromochloroacetic Acid (BCAA)	2022/07/26	ND, RDL=5.0		ug/L	
			Dibromoacetic Acid (DBAA)	2022/07/26	ND, RDL=5.0		ug/L	
			Total haloacetic acids	2022/07/26	ND, RDL=5.0		ug/L	
8129365	MAK	RPD	Monochloroacetic Acid (MCAA)	2022/07/26	NC		%	40
			Monobromoacetic Acid (MBAA)	2022/07/26	NC		%	40
			Dichloroacetic Acid (DCAA)	2022/07/26	4.4		%	40
			Trichloroacetic Acid (TCAA)	2022/07/26	0.76		%	40
			Bromochloroacetic Acid (BCAA)	2022/07/26	NC		%	40
			Dibromoacetic Acid (DBAA)	2022/07/26	NC		%	40
			Total haloacetic acids	2022/07/26	3.1		%	40
8130496	THT	Matrix Spike [TFK002-02]	2,4,6-Tribromophenol	2022/07/27		81	%	30 - 130
			2,4-Dichlorophenyl Acetic Acid	2022/07/27		28 (2)	%	30 - 130
			2-Fluorobiphenyl	2022/07/27		79	%	30 - 130
			D14-Terphenyl (FS)	2022/07/27		98	%	30 - 130
			D5-Nitrobenzene	2022/07/27		83	%	30 - 130
			2,3,4,6-Tetrachlorophenol	2022/07/27		85	%	30 - 130
			2,4,5-T	2022/07/27		33	%	30 - 130
			2,4,6-Trichlorophenol	2022/07/27		76	%	30 - 130
			2,4-D	2022/07/27		27 (1)	%	30 - 130
			2,4-Dichlorophenol	2022/07/27		73	%	30 - 130
			Alachlor	2022/07/27		94	%	40 - 130
			Aldicarb	2022/07/27		86	%	70 - 130
			Atrazine	2022/07/27		94	%	30 - 130
			Des-ethyl atrazine	2022/07/27		43	%	30 - 130
			Atrazine + Desethyl-atrazine	2022/07/27		68	%	30 - 130
			Bendiocarb	2022/07/27		103	%	40 - 130
			Bromoxynil	2022/07/27		33 (1)	%	40 - 130
			Carbaryl	2022/07/27		102	%	40 - 130
			Carbofuran	2022/07/27		100	%	40 - 130
			Chlorpyrifos (Dursban)	2022/07/27		93	%	40 - 130
			Cyanazine (Bladex)	2022/07/27		88	%	40 - 130
			Diazinon	2022/07/27		96	%	40 - 130
			Dicamba	2022/07/27		26 (1)	%	30 - 130
			Diclofop-methyl	2022/07/27		97	%	40 - 130
Dimethoate	2022/07/27		61	%	40 - 130			
Dinoseb	2022/07/27		84	%	40 - 130			
Malathion	2022/07/27		99	%	40 - 130			



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
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Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				MCPA	2022/07/27		30	%	10 - 130
				Metolachlor	2022/07/27		96	%	40 - 130
				Metribuzin (Sencor)	2022/07/27		94	%	40 - 130
				Ethyl Parathion	2022/07/27		93	%	40 - 130
				Pentachlorophenol	2022/07/27		73	%	25 - 130
				Phorate	2022/07/27		82	%	40 - 130
				Picloram	2022/07/27		19	%	10 - 130
				Prometryne	2022/07/27		90	%	30 - 130
				Simazine	2022/07/27		90	%	40 - 130
				Terbufos	2022/07/27		84	%	40 - 130
				Triallate	2022/07/27		95	%	40 - 130
				Trifluralin	2022/07/27		101	%	40 - 130
				Benzo(a)pyrene	2022/07/27		95	%	30 - 130
				Methyl parathion	2022/07/27		88	%	30 - 130
8130496	THT		Spiked Blank	2,4,6-Tribromophenol	2022/07/27		80	%	30 - 130
				2,4-Dichlorophenyl Acetic Acid	2022/07/27		37	%	30 - 130
				2-Fluorobiphenyl	2022/07/27		81	%	30 - 130
				D14-Terphenyl (FS)	2022/07/27		96	%	30 - 130
				D5-Nitrobenzene	2022/07/27		82	%	30 - 130
				2,3,4,6-Tetrachlorophenol	2022/07/27		84	%	30 - 130
				2,4,5-T	2022/07/27		42	%	30 - 130
				2,4,6-Trichlorophenol	2022/07/27		77	%	30 - 130
				2,4-D	2022/07/27		35	%	30 - 130
				2,4-Dichlorophenol	2022/07/27		74	%	30 - 130
				Alachlor	2022/07/27		91	%	40 - 130
				Aldicarb	2022/07/27		87	%	70 - 130
				Atrazine	2022/07/27		93	%	30 - 130
				Des-ethyl atrazine	2022/07/27		41	%	30 - 130
				Atrazine + Desethyl-atrazine	2022/07/27		67	%	30 - 130
				Bendiocarb	2022/07/27		104	%	40 - 130
				Bromoxynil	2022/07/27		43	%	40 - 130
				Carbaryl	2022/07/27		101	%	40 - 130
				Carbofuran	2022/07/27		100	%	40 - 130
				Chlorpyrifos (Dursban)	2022/07/27		91	%	40 - 130
				Cyanazine (Bladex)	2022/07/27		86	%	40 - 130
				Diazinon	2022/07/27		95	%	40 - 130
				Dicamba	2022/07/27		34	%	30 - 130
				Diclofop-methyl	2022/07/27		96	%	40 - 130
				Dimethoate	2022/07/27		66	%	40 - 130
				Dinoseb	2022/07/27		80	%	40 - 130
				Malathion	2022/07/27		96	%	40 - 130
				MCPA	2022/07/27		39	%	10 - 130
				Metolachlor	2022/07/27		94	%	40 - 130
				Metribuzin (Sencor)	2022/07/27		92	%	40 - 130
				Ethyl Parathion	2022/07/27		91	%	40 - 130
				Pentachlorophenol	2022/07/27		73	%	25 - 130
				Phorate	2022/07/27		79	%	40 - 130
				Picloram	2022/07/27		23	%	10 - 130
				Prometryne	2022/07/27		86	%	30 - 130
				Simazine	2022/07/27		88	%	40 - 130



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				Terbufos	2022/07/27		80	%	40 - 130
				Triallate	2022/07/27		92	%	40 - 130
				Trifluralin	2022/07/27		99	%	40 - 130
				Benzo(a)pyrene	2022/07/27		93	%	30 - 130
				Methyl parathion	2022/07/27		85	%	30 - 130
8130496	THT	RPD		2,3,4,6-Tetrachlorophenol	2022/07/27	7.6		%	40
				2,4,5-T	2022/07/27	1.7		%	40
				2,4,6-Trichlorophenol	2022/07/27	6.4		%	40
				2,4-D	2022/07/27	2.5		%	40
				2,4-Dichlorophenol	2022/07/27	2.4		%	40
				Alachlor	2022/07/27	3.1		%	40
				Aldicarb	2022/07/27	1.4		%	40
				Atrazine	2022/07/27	2.6		%	40
				Des-ethyl atrazine	2022/07/27	4.8		%	40
				Atrazine + Desethyl-atrazine	2022/07/27	3.2		%	40
				Bendiocarb	2022/07/27	2.6		%	40
				Bromoxynil	2022/07/27	0.37		%	40
				Carbaryl	2022/07/27	1.9		%	40
				Carbofuran	2022/07/27	2.8		%	40
				Chlorpyrifos (Dursban)	2022/07/27	2.6		%	40
				Cyanazine (Bladex)	2022/07/27	2.5		%	40
				Diazinon	2022/07/27	2.6		%	40
				Dicamba	2022/07/27	3.1		%	40
				Diclofop-methyl	2022/07/27	0.82		%	40
				Dimethoate	2022/07/27	0.23		%	40
				Dinoseb	2022/07/27	5.6		%	40
				Malathion	2022/07/27	2.9		%	40
				MCPA	2022/07/27	3.2		%	40
				Metolachlor	2022/07/27	1.5		%	40
				Metribuzin (Sencor)	2022/07/27	3.1		%	40
				Ethyl Parathion	2022/07/27	4.1		%	40
				Pentachlorophenol	2022/07/27	7.9		%	40
				Phorate	2022/07/27	4.1		%	40
				Picloram	2022/07/27	1.7		%	40
				Prometryne	2022/07/27	7.8		%	40
				Simazine	2022/07/27	3.7		%	40
				Terbufos	2022/07/27	5.9		%	40
				Triallate	2022/07/27	2.2		%	40
				Trifluralin	2022/07/27	5.4		%	40
				Benzo(a)pyrene	2022/07/27	1.0		%	40
				Methyl parathion	2022/07/27	3.7		%	40
8130496	THT	Method Blank		2,4,6-Tribromophenol	2022/07/26		88	%	30 - 130
				2,4-Dichlorophenyl Acetic Acid	2022/07/26		35	%	30 - 130
				2-Fluorobiphenyl	2022/07/26		85	%	30 - 130
				D14-Terphenyl (FS)	2022/07/26		103	%	30 - 130
				D5-Nitrobenzene	2022/07/26		91	%	30 - 130
				2,3,4,6-Tetrachlorophenol	2022/07/26	ND, RDL=0.50		ug/L	
				2,4,5-T	2022/07/26	ND, RDL=1.0		ug/L	



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
Report Date: 2022/08/08

WSH Labs
Client Project #: WINTERGREEN
Site Location: DEE
Your P.O. #: 8243
Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			2,4,6-Trichlorophenol	2022/07/26	ND, RDL=0.50		ug/L	
			2,4-D	2022/07/26	ND, RDL=1.0		ug/L	
			2,4-Dichlorophenol	2022/07/26	ND, RDL=0.25		ug/L	
			Alachlor	2022/07/26	ND, RDL=0.50		ug/L	
			Aldicarb	2022/07/26	ND, RDL=5.0		ug/L	
			Atrazine	2022/07/26	ND, RDL=0.50		ug/L	
			Des-ethyl atrazine	2022/07/26	ND, RDL=0.50		ug/L	
			Atrazine + Desethyl-atrazine	2022/07/26	ND, RDL=1.0		ug/L	
			Bendiocarb	2022/07/26	ND, RDL=2.0		ug/L	
			Bromoxynil	2022/07/26	ND, RDL=0.50		ug/L	
			Carbaryl	2022/07/26	ND, RDL=5.0		ug/L	
			Carbofuran	2022/07/26	ND, RDL=5.0		ug/L	
			Chlorpyrifos (Dursban)	2022/07/26	ND, RDL=1.0		ug/L	
			Cyanazine (Bladex)	2022/07/26	ND, RDL=1.0		ug/L	
			Diazinon	2022/07/26	ND, RDL=1.0		ug/L	
			Dicamba	2022/07/26	ND, RDL=1.0		ug/L	
			Diclofop-methyl	2022/07/26	ND, RDL=0.90		ug/L	
			Dimethoate	2022/07/26	ND, RDL=2.5		ug/L	
			Dinoseb	2022/07/26	ND, RDL=1.0		ug/L	
			Malathion	2022/07/26	ND, RDL=5.0		ug/L	
			MCPA	2022/07/26	ND, RDL=10		ug/L	
			Metolachlor	2022/07/26	ND, RDL=0.50		ug/L	
			Metribuzin (Sencor)	2022/07/26	ND, RDL=5.0		ug/L	
			Ethyl Parathion	2022/07/26	ND, RDL=1.0		ug/L	
			Pentachlorophenol	2022/07/26	ND, RDL=0.50		ug/L	
			Phorate	2022/07/26	ND, RDL=0.50		ug/L	



BUREAU
VERITAS

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WSH Labs
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Sampler Initials: BW

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Picloram	2022/07/26	ND, RDL=5.0		ug/L	
			Prometryne	2022/07/26	ND, RDL=0.25		ug/L	
			Simazine	2022/07/26	ND, RDL=1.0		ug/L	
			Terbufos	2022/07/26	ND, RDL=0.50		ug/L	
			Triallate	2022/07/26	ND, RDL=1.0		ug/L	
			Trifluralin	2022/07/26	ND, RDL=1.0		ug/L	
			Benzo(a)pyrene	2022/07/26	ND, RDL=0.0050		ug/L	
			Methyl parathion	2022/07/26	ND, RDL=1.0		ug/L	
8132663	WSS	Spiked Blank	D6-N-Nitrosodimethylamine	2022/08/03		34	%	10 - 85
			N-Nitrosodimethylamine	2022/08/03		99	%	65 - 135
8132663	WSS	RPD	N-Nitrosodimethylamine	2022/08/03	0.92		%	25
8132663	WSS	Method Blank	D6-N-Nitrosodimethylamine	2022/08/03		35	%	10 - 85
			N-Nitrosodimethylamine	2022/08/03	ND, RDL=0.0009		ug/L	

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 (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.

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



BUREAU
VERITAS

Bureau Veritas Job #: C2K2620
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WSH Labs
Client Project #: WINTERGREEN
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Your P.O. #: 8243
Sampler Initials: BW

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Anastassia Hamanov, Scientific Specialist

Melissa DiGrazia, Operations Manager, HRMS Department

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



3851B – 21 Street NE • Calgary, Alberta, Canada • T2E 6T5

Phone: (403) 250-9164 • Fax: (403) 291-4597 • www.wshlabs.com

H₂O Pro Inc.

Box 592
Cochrane, AB T4C 1A7

Phone: (403) 921-8949

Fax: (403) 851-9990

Email:

Lab Number: 93277

PO Number:

Sample Info: Wintergreen
WTP

Sampled By:

Date Sampled: 8/11/2022

Date Received: 8/11/2022

Date Reported: 8/19/2022

TEST REPORT

Microbiology	Units	Result	CDW Guideline Maximum	Detection Limit
Microcystin, Total	µg/L	<0.10	MAC: 1.5	0.10

WSH Labs (1992) Ltd. as per: _____

Legalities**Lab Number:** 93277

- (1) The results above are related only to the items analyzed.
- (2) Results apply to the sample(s) as received.
- (3) Analytical determinations were performed in Calgary, AB. 3851B - 21 Street NE.
- (4) Condition of sample(s) upon receipt:
Acceptable
- (5) External provider(s) of laboratory results:
Microcystin is sublet to BV Labs

References

- (1) Accredited by CALA to ISO/IEC 17025 for specific tests.
- (2) Guidelines for Canadian Drinking Water Quality are provided courtesy of Health Canada, September 2020.
https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/summary-table-EN-2020-02-11.pdf

Acronyms & Nomenclatures

< denotes less than detection limit	MAC = Maximum Acceptable Concentration
> denotes greater than	OG = Operational Guidance Value
AO = Aesthetic Objective	TNTC = Too Numerous To Count (>80 colonies)
CDW = Canadian Drinking Water	

Standard Methods for the Examination of Water and Wastewater 23rd Edition (2017)

- Alkalinity.** 2320 B. Titration Method.
- Ammonia Nitrogen.** 4500-NH₃ C. Titrimetric Method.
- Anions.** 4110 B. Ion Chromatography with Chemical Suppression of Eluent Conductivity.
- Biochemical Oxygen Demand.** 5210 B. 5-Day BOD Test.
- Color.** 2120 B. Visual Comparison Method.
- Conductivity.** 2510 B. Laboratory Method.
- Fluoride.** 4500-F⁻ C. Ion-Selective Electrode Method.
- Hardness.** 2340 B. Hardness by Calculation.
- Metals.** 3125 B. Inductively Coupled Plasma / Mass Spectrometry (ICP-MS) Method.
- Organic Carbon.** 5310 B. High-Temperature Combustion Method.
- pH.** 4500-H⁺ B. Electrometric Method.
- Total Kjeldahl Nitrogen / Nitrogen (Organic).** 4500-Norg B. Macro-Kjeldahl Method.
- Total Suspended Solids.** 2540 D. Total Suspended Solids Dried at 103-105°C.
- Turbidity.** 2130 B. Nephelometric Method.

Hach Methods

- Chemical Oxygen Demand.** Hach Method 8000.
- Chlorine, Total & Free.** As per Hach CN66 Test Kit Instructions.
- Coliforms, Total and E. coli. (Membrane Filtration).** Hach Method 10029.
- Ortho-Phosphate.** Hach Method 8048.
- Sulfides.** Hach Method 8131.
- Tannin & Lignin.** Hach Method 8193.
- Total Phosphate.** Hach Method 8190.



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H₂O Pro Inc.

Box 592
Cochrane, AB T4C 1A7

Phone: (403) 921-8949 **Lab Number:** 93491
Fax: (403) 851-9990
Email: **PO Number:**

Sample Info: Wintergreen Woods

Sampled By:
Date Sampled: 9/12/2022
Date Received: 9/12/2022
Date Reported: 9/22/2022

TEST REPORT

Microbiology	Units	Result	CDW Guideline Maximum	Detection Limit
Microcystin, Total	µg/L	<0.10	MAC: 1.5	0.10

WSH Labs (1992) Ltd. as per: _____

Legalities**Lab Number:** 93491

- (1) The results above are related only to the items analyzed.
- (2) Results apply to the sample(s) as received.
- (3) Analytical determinations were performed in Calgary, AB. 3851B - 21 Street NE.
- (4) Condition of sample(s) upon receipt:
Acceptable
- (5) External provider(s) of laboratory results:
BV Labs

References

- (1) Accredited by CALA to ISO/IEC 17025 for specific tests.
- (2) Guidelines for Canadian Drinking Water Quality are provided courtesy of Health Canada, September 2020.
https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/summary-table-EN-2020-02-11.pdf

Acronyms & Nomenclatures

< denotes less than detection limit
> denotes greater than
AO = Aesthetic Objective
CDW = Canadian Drinking Water

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Standard Methods for the Examination of Water and Wastewater 23rd Edition (2017)

Alkalinity. 2320 B. Titration Method.
Ammonia Nitrogen. 4500-NH₃ C. Titrimetric Method.
Anions. 4110 B. Ion Chromatography with Chemical Suppression of Eluent Conductivity.
Biochemical Oxygen Demand. 5210 B. 5-Day BOD Test.
Color. 2120 B. Visual Comparison Method.
Conductivity. 2510 B. Laboratory Method.
Fluoride. 4500-F⁻ C. Ion-Selective Electrode Method.
Hardness. 2340 B. Hardness by Calculation.
Metals. 3125 B. Inductively Coupled Plasma / Mass Spectrometry (ICP-MS) Method.
Organic Carbon. 5310 B. High-Temperature Combustion Method.
pH. 4500-H⁺ B. Electrometric Method.
Total Kjeldahl Nitrogen / Nitrogen (Organic). 4500-Norg B. Macro-Kjeldahl Method.
Total Suspended Solids. 2540 D. Total Suspended Solids Dried at 103-105°C.
Turbidity. 2130 B. Nephelometric Method.

Hach Methods

Chemical Oxygen Demand. Hach Method 8000.
Chlorine, Total & Free. As per Hach CN66 Test Kit Instructions.
Coliforms, Total and E. coli. (Membrane Filtration). Hach Method 10029.
Ortho-Phosphate. Hach Method 8048.
Sulfides. Hach Method 8131.
Tannin & Lignin. Hach Method 8193.
Total Phosphate. Hach Method 8190.



H₂O Pro Inc.
Box 592
Cochrane, AB T4C 1A7

Phone: (403) 921-8949 **Lab Number:** 93822
Fax: (403) 851-9990
Email: **PO Number:**

Sample Info: Wintergreen DEE

Sampled By: Colby
Date Sampled: 10/24/2022
Date Received: 10/24/2022
Date Reported: 11/2/2022

TEST REPORT

Trihalomethanes	Units	Result	CDW Guideline Maximum	Detection Limit
Trihalomethanes, Total	mg/L	0.022	MAC: 0.1	0.001
Chloroform	mg/L	0.015	No Guideline	0.0005
Bromodichloromethane	mg/L	0.004	No Guideline	0.001
Dibromochloromethane	mg/L	0.002	No Guideline	0.001
Bromoform	mg/L	0.001	No Guideline	0.001

Haloacetic Acids	Units	Result	CDW Guideline Maximum	Detection Limit
Monochloroacetic Acid (MCAA)	µg/L	<5.0	No Guideline	5.0
Monobromoacetic Acid (MBAA)	µg/L	<5.0	No Guideline	5.0
Dichloroacetic Acid (DCAA)	µg/L	<5.0	No Guideline	5.0
Trichloroacetic Acid (TCAA)	µg/L	<5.0	No Guideline	5.0
Bromochloroacetic Acid (BCAA)	µg/L	<5.0	No Guideline	5.0
Dibromoacetic Acid (DBAA)	µg/L	<5.0	No Guideline	5.0
Total Haloacetic Acids	µg/L	<5.0	MAC: 80	5.0

WSH Labs (1992) Ltd. as per: _____

Legalities**Lab Number:** 93822

- (1) The results above are related only to the items analyzed.
- (2) Results apply to the sample(s) as received.
- (3) Analytical determinations were performed in Calgary, AB. 3851B - 21 Street NE.
- (4) Condition of sample(s) upon receipt:
Acceptable
- (5) External provider(s) of laboratory results:
Trihalomethanes and HAAs sublet to BV Laboratories

References

- (1) Accredited by CALA to ISO/IEC 17025 for specific tests.
- (2) Guidelines for Canadian Drinking Water Quality are provided courtesy of Health Canada, September 2020.
https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/summary-table-EN-2020-02-11.pdf

Acronyms & Nomenclatures

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- Biochemical Oxygen Demand.** 5210 B. 5-Day BOD Test.
- Color.** 2120 B. Visual Comparison Method.
- Conductivity.** 2510 B. Laboratory Method.
- Fluoride.** 4500-F⁻ C. Ion-Selective Electrode Method.
- Hardness.** 2340 B. Hardness by Calculation.
- Metals.** 3125 B. Inductively Coupled Plasma / Mass Spectrometry (ICP-MS) Method.
- Organic Carbon.** 5310 B. High-Temperature Combustion Method.
- pH.** 4500-H⁺ B. Electrometric Method.
- Total Kjeldahl Nitrogen / Nitrogen (Organic).** 4500-Norg B. Macro-Kjeldahl Method.
- Total Suspended Solids.** 2540 D. Total Suspended Solids Dried at 103-105°C.
- Turbidity.** 2130 B. Nephelometric Method.

Hach Methods

- Chemical Oxygen Demand.** Hach Method 8000.
- Chlorine, Total & Free.** As per Hach CN66 Test Kit Instructions.
- Coliforms, Total and E. coli. (Membrane Filtration).** Hach Method 10029.
- Ortho-Phosphate.** Hach Method 8048.
- Sulfides.** Hach Method 8131.
- Tannin & Lignin.** Hach Method 8193.
- Total Phosphate.** Hach Method 8190.

Wintergreen wtp Comments 2022	
Month	comments:
Jan	Cleaned chlorine day tank, switched out f.o. control valve
Feb	all good
Mar	all good
apr	all good
may	cleaned cl tank, coag tank, desludged plant, washed incline plate settlers
june	all good
july	replaced filter level control valve with new.
aug	new pump for river stream
sept	cleaned cl tank, washed incline plate settlers
oct	leak at clubhouse
nov	compliance inspection with Theresa
dec	all good