Your P.O. #: 8496
Your Project #: CORDELLS TECHNICAL
Your C.O.C. #: C#1003298-02-01

Attention: Bill Wong

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

Report Date: 2024/09/04
Report #: R8306149
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4Q2789
Received: 2024/08/23, 10:00

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Cyanide	1	2024/08/27	2024/08/28	CAM SOP-00457	OMOE E3015 5 m
Diuron, Guthion, Temephos	1	2024/08/30	2024/08/30	CAM SOP-00306	In-House method
Glyphosate	1	2024/08/27	2024/08/28	CAM SOP-00305	HPLC in-house method
Microcystin	1	N/A	2024/08/27	CAM SOP-00476	OMECC-LSB E3469
Nitrilotriacetic Acid (NTA) (1)	1	2024/08/27	2024/08/27	CAM SOP-00411	EPA 430.1 m
OC Pesticides (Selected) & PCB (2)	1	2024/08/29	2024/08/31	CAM SOP-00307	EPA 8081B/ 8082A
OC Pesticides Summed Parameters	1	N/A	2024/08/27	CAM SOP-00307	EPA 8081B/ 8082A
ODWS - Semi-Volatiles	1	2024/08/30	2024/08/30	CAM SOP-00301	EPA 8270 m
VOCs (Drinking Water)	1	N/A	2024/08/29	CAM SOP-00226	EPA 8260D 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, EPA, APHA or the Quebec Ministry of Environment.

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.

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 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

Your P.O. #: 8496
Your Project #: CORDELLS TECHNICAL
Your C.O.C. #: C#1003298-02-01

Attention: Bill Wong

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

Report Date: 2024/09/04
Report #: R8306149
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4Q2789
Received: 2024/08/23, 10:00

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

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
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 Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

Bureau Veritas ID		AAUW08		
Sampling Date		2024/08/21		
COC Number		C#1003298-02-01		
	UNITS	97631	RDL	QC Batch
Calculated Parameters				
Aldrin + Dieldrin	ug/L	ND	0.006	9599617
Chlordane (Total)	ug/L	ND	0.006	9599617
DDT+ Metabolites	ug/L	ND	0.006	9599617
Heptachlor + Heptachlor epoxide	ug/L	ND	0.006	9599617
o,p-DDD + p,p-DDD	ug/L	ND	0.006	9599617
o,p-DDE + p,p-DDE	ug/L	ND	0.006	9599617
o,p-DDT + p,p-DDT	ug/L	ND	0.006	9599617
Total Endosulfan	ug/L	ND	0.005	9599617
Total PCB	ug/L	ND	0.05	9599617
Pesticides & Herbicides				
Lindane	ug/L	ND	0.0060	9608285
Heptachlor	ug/L	ND	0.0060	9608285
Aldrin	ug/L	ND	0.0060	9608285
Heptachlor epoxide	ug/L	ND	0.0060	9608285
Oxychlordane	ug/L	ND	0.0060	9608285
g-Chlordane	ug/L	ND	0.0060	9608285
a-Chlordane	ug/L	ND	0.0060	9608285
Dieldrin	ug/L	ND	0.0060	9608285
o,p-DDE	ug/L	ND	0.0060	9608285
p,p-DDE	ug/L	ND	0.0060	9608285
o,p-DDD	ug/L	ND	0.0060	9608285
p,p-DDD	ug/L	ND	0.0060	9608285
o,p-DDT	ug/L	ND	0.0060	9608285
p,p-DDT	ug/L	ND	0.0060	9608285
Methoxychlor	ug/L	ND	0.024	9608285
Aroclor 1016	ug/L	ND	0.050	9608285
Aroclor 1221	ug/L	ND	0.050	9608285
Aroclor 1232	ug/L	ND	0.050	9608285
Aroclor 1242	ug/L	ND	0.050	9608285
Aroclor 1248	ug/L	ND	0.050	9608285
Aroclor 1254	ug/L	ND	0.050	9608285
Aroclor 1260	ug/L	ND	0.050	9608285

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 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

Bureau Veritas ID		AAUW08		
Sampling Date		2024/08/21		
COC Number		C#1003298-02-01		
	UNITS	**97631**	**RDL**	**QC Batch**
Surrogate Recovery (%)				
2,4,5,6-Tetrachloro-m-xylene	%	80	N/A	9608285
Decachlorobiphenyl	%	104	N/A	9608285

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

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C4Q2789
Report Date: 2024/09/04

WSH Labs
Client Project #: CORDELLS TECHNICAL
Your P.O. #: 8496
Sampler Initials: BW

PESTICIDES & HERBICIDES BY HPLC (WATER)

Bureau Veritas ID		AAUW08		
Sampling Date		2024/08/21		
COC Number		C#1003298-02-01		
	UNITS	**97631**	**RDL**	**QC Batch**
Pesticides & Herbicides				
Glyphosate	ug/L	ND	10	9602639
Diuron	ug/L	ND	10	9609413
Guthion (Azinphos-methyl)	ug/L	ND	2.0	9609413
Temephos	ug/L	ND	10	9609413

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 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C4Q2789
Report Date: 2024/09/04

WSH Labs
Client Project #: CORDELLS TECHNICAL
Your P.O. #: 8496
Sampler Initials: BW

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AAUW08		
Sampling Date		2024/08/21		
COC Number		C#1003298-02-01		
	UNITS	**97631**	**RDL**	**QC Batch**
Inorganics				
Microcystin	ug/L	ND	0.10	9601452
Total Cyanide (CN)	mg/L	ND	0.0050	9599624
Miscellaneous Parameters				
NTA	mg/L	ND	0.050	9602175

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 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		AAUW08		
Sampling Date		2024/08/21		
COC Number		C#1003298-02-01		
	UNITS	97631	RDL	QC Batch
Semivolatile Organics				
2,3,4,6-Tetrachlorophenol	ug/L	ND	0.50	9609401
2,4,5-T	ug/L	ND	1.0	9609401
2,4,6-Trichlorophenol	ug/L	ND	0.50	9609401
2,4-D	ug/L	ND	1.0	9609401
2,4-Dichlorophenol	ug/L	ND	0.25	9609401
Alachlor	ug/L	ND	0.50	9609401
Aldicarb	ug/L	ND	5.0	9609401
Atrazine	ug/L	ND	0.50	9609401
Des-ethyl atrazine	ug/L	ND	0.50	9609401
Atrazine + Desethyl-atrazine	ug/L	ND	1.0	9609401
Bendiocarb	ug/L	ND	2.0	9609401
Bromoxynil	ug/L	ND	0.50	9609401
Carbaryl	ug/L	ND	5.0	9609401
Carbofuran	ug/L	ND	5.0	9609401
Chlorpyrifos (Dursban)	ug/L	ND	1.0	9609401
Cyanazine (Bladex)	ug/L	ND	1.0	9609401
Diazinon	ug/L	ND	1.0	9609401
Dicamba	ug/L	ND	1.0	9609401
Diclofop-methyl	ug/L	ND	0.90	9609401
Dimethoate	ug/L	ND	2.5	9609401
Dinoseb	ug/L	ND	1.0	9609401
Malathion	ug/L	ND	5.0	9609401
MCPA	ug/L	ND	10	9609401
Metolachlor	ug/L	ND	0.50	9609401
Metribuzin (Sencor)	ug/L	ND	5.0	9609401
Ethyl Parathion	ug/L	ND	1.0	9609401
Pentachlorophenol	ug/L	ND	0.50	9609401
Phorate	ug/L	ND	0.50	9609401
Picloram	ug/L	ND	5.0	9609401
Prometryne	ug/L	ND	0.25	9609401
Simazine	ug/L	ND	1.0	9609401
Terbufos	ug/L	ND	0.50	9609401
Triallate	ug/L	ND	1.0	9609401

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 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		AAUW08		
Sampling Date		2024/08/21		
COC Number		C#1003298-02-01		
	UNITS	**97631**	**RDL**	**QC Batch**
Trifluralin	ug/L	ND	1.0	9609401
Benzo(a)pyrene	ug/L	ND	0.0050	9609401
Methyl parathion	ug/L	ND	1.0	9609401
Surrogate Recovery (%)				
2,4,6-Tribromophenol	%	74	N/A	9609401
2,4-Dichlorophenyl Acetic Acid	%	77	N/A	9609401
2-Fluorobiphenyl	%	70	N/A	9609401
D14-Terphenyl (FS)	%	85	N/A	9609401
D5-Nitrobenzene	%	79	N/A	9609401

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 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

VOLATILE ORGANICS BY GC/MS (WATER)

Bureau Veritas ID		AAUW08		
Sampling Date		2024/08/21		
COC Number		C#1003298-02-01		
	UNITS	97631	RDL	QC Batch
Volatile Organics				
1,1-Dichloroethylene	ug/L	ND	0.10	9604358
1,2-Dichlorobenzene	ug/L	ND	0.20	9604358
1,2-Dichloroethane	ug/L	ND	0.20	9604358
1,4-Dichlorobenzene	ug/L	ND	0.20	9604358
Benzene	ug/L	ND	0.10	9604358
Bromodichloromethane	ug/L	ND	0.10	9604358
Bromoform	ug/L	ND	0.20	9604358
Carbon Tetrachloride	ug/L	ND	0.10	9604358
Chlorobenzene	ug/L	ND	0.10	9604358
Chloroform	ug/L	0.22	0.10	9604358
Dibromochloromethane	ug/L	ND	0.20	9604358
Methylene Chloride(Dichloromethane)	ug/L	ND	0.50	9604358
Ethylbenzene	ug/L	ND	0.10	9604358
Methyl t-butyl ether (MTBE)	ug/L	ND	0.20	9604358
Tetrachloroethylene	ug/L	ND	0.10	9604358
Toluene	ug/L	ND	0.20	9604358
Trichloroethylene	ug/L	ND	0.10	9604358
Vinyl Chloride	ug/L	ND	0.20	9604358
o-Xylene	ug/L	ND	0.10	9604358
p+m-Xylene	ug/L	ND	0.10	9604358
Total Trihalomethanes	ug/L	0.22	0.20	9604358
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	96	N/A	9604358
D4-1,2-Dichloroethane	%	100	N/A	9604358
D8-Toluene	%	102	N/A	9604358

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 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

GENERAL COMMENTS

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

Package 1	4.3°C

Results relate only to the items tested.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9599624	GYA	Matrix Spike	Total Cyanide (CN)	2024/08/29		95	%	80 - 120
9599624	GYA	Spiked Blank	Total Cyanide (CN)	2024/08/29		101	%	80 - 120
9599624	GYA	Method Blank	Total Cyanide (CN)	2024/08/29	ND, RDL=0.0050		mg/L	
9599624	GYA	RPD	Total Cyanide (CN)	2024/08/29	NC		%	20
9601452	YZA	Matrix Spike	Microcystin	2024/08/27		65	%	60 - 140
9601452	YZA	Spiked Blank	Microcystin	2024/08/27		77	%	60 - 140
9601452	YZA	Method Blank	Microcystin	2024/08/27	ND, RDL=0.10		ug/L	
9601452	YZA	RPD	Microcystin	2024/08/27	NC		%	20
9602175	GID	Matrix Spike	NTA	2024/08/27		115	%	80 - 120
9602175	GID	Spiked Blank	NTA	2024/08/27		98	%	80 - 120
9602175	GID	Method Blank	NTA	2024/08/27	ND, RDL=0.050		mg/L	
9602175	GID	RPD	NTA	2024/08/27	NC		%	20
9602639	FKU	Matrix Spike	Glyphosate	2024/08/27		76	%	50 - 130
9602639	FKU	Spiked Blank	Glyphosate	2024/08/27		99	%	50 - 130
9602639	FKU	Method Blank	Glyphosate	2024/08/27	ND, RDL=10		ug/L	
9602639	FKU	RPD	Glyphosate	2024/08/27	NC		%	40
9604358	ZWA	Matrix Spike	4-Bromofluorobenzene	2024/08/29		97	%	70 - 130
			D4-1,2-Dichloroethane	2024/08/29		95	%	70 - 130
			D8-Toluene	2024/08/29		104	%	70 - 130
			1,1-Dichloroethylene	2024/08/29		129	%	70 - 130
			1,2-Dichlorobenzene	2024/08/29		106	%	70 - 130
			1,2-Dichloroethane	2024/08/29		101	%	70 - 130
			1,4-Dichlorobenzene	2024/08/29		110	%	70 - 130
			Benzene	2024/08/29		106	%	70 - 130
			Bromodichloromethane	2024/08/29		100	%	70 - 130
			Bromoform	2024/08/29		108	%	70 - 130
			Carbon Tetrachloride	2024/08/29		122	%	70 - 130
			Chlorobenzene	2024/08/29		101	%	70 - 130
			Chloroform	2024/08/29		104	%	70 - 130
			Dibromochloromethane	2024/08/29		105	%	70 - 130
			Methylene Chloride(Dichloromethane)	2024/08/29		97	%	70 - 130
			Ethylbenzene	2024/08/29		111	%	70 - 130
			Methyl t-butyl ether (MTBE)	2024/08/29		91	%	70 - 130
			Tetrachloroethylene	2024/08/29		109	%	70 - 130
			Toluene	2024/08/29		111	%	70 - 130
			Trichloroethylene	2024/08/29		110	%	70 - 130
			Vinyl Chloride	2024/08/29		117	%	70 - 130
			o-Xylene	2024/08/29		115	%	70 - 130
			p+m-Xylene	2024/08/29		109	%	70 - 130
9604358	ZWA	Spiked Blank	4-Bromofluorobenzene	2024/08/29		99	%	70 - 130
			D4-1,2-Dichloroethane	2024/08/29		97	%	70 - 130
			D8-Toluene	2024/08/29		102	%	70 - 130
			1,1-Dichloroethylene	2024/08/29		131 (1)	%	70 - 130
			1,2-Dichlorobenzene	2024/08/29		110	%	70 - 130
			1,2-Dichloroethane	2024/08/29		110	%	70 - 130
			1,4-Dichlorobenzene	2024/08/29		114	%	70 - 130
			Benzene	2024/08/29		110	%	70 - 130

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Bromodichloromethane	2024/08/29		109	%	70 - 130
			Bromoform	2024/08/29		115	%	70 - 130
			Carbon Tetrachloride	2024/08/29		129	%	70 - 130
			Chlorobenzene	2024/08/29		103	%	70 - 130
			Chloroform	2024/08/29		108	%	70 - 130
			Dibromochloromethane	2024/08/29		115	%	70 - 130
			Methylene Chloride(Dichloromethane)	2024/08/29		104	%	70 - 130
			Ethylbenzene	2024/08/29		113	%	70 - 130
			Methyl t-butyl ether (MTBE)	2024/08/29		100	%	70 - 130
			Tetrachloroethylene	2024/08/29		109	%	70 - 130
			Toluene	2024/08/29		113	%	70 - 130
			Trichloroethylene	2024/08/29		112	%	70 - 130
			Vinyl Chloride	2024/08/29		119	%	70 - 130
			o-Xylene	2024/08/29		117	%	70 - 130
			p+m-Xylene	2024/08/29		110	%	70 - 130
9604358	ZWA	Method Blank	4-Bromofluorobenzene	2024/08/29		99	%	70 - 130
			D4-1,2-Dichloroethane	2024/08/29		104	%	70 - 130
			D8-Toluene	2024/08/29		100	%	70 - 130
			1,1-Dichloroethylene	2024/08/29	ND, RDL=0.10		ug/L	
			1,2-Dichlorobenzene	2024/08/29	ND, RDL=0.20		ug/L	
			1,2-Dichloroethane	2024/08/29	ND, RDL=0.20		ug/L	
			1,4-Dichlorobenzene	2024/08/29	ND, RDL=0.20		ug/L	
			Benzene	2024/08/29	ND, RDL=0.10		ug/L	
			Bromodichloromethane	2024/08/29	ND, RDL=0.10		ug/L	
			Bromoform	2024/08/29	ND, RDL=0.20		ug/L	
			Carbon Tetrachloride	2024/08/29	ND, RDL=0.10		ug/L	
			Chlorobenzene	2024/08/29	ND, RDL=0.10		ug/L	
			Chloroform	2024/08/29	ND, RDL=0.10		ug/L	
			Dibromochloromethane	2024/08/29	ND, RDL=0.20		ug/L	
			Methylene Chloride(Dichloromethane)	2024/08/29	ND, RDL=0.50		ug/L	
			Ethylbenzene	2024/08/29	ND, RDL=0.10		ug/L	
			Methyl t-butyl ether (MTBE)	2024/08/29	ND, RDL=0.20		ug/L	
			Tetrachloroethylene	2024/08/29	ND, RDL=0.10		ug/L	
			Toluene	2024/08/29	ND, RDL=0.20		ug/L	
			Trichloroethylene	2024/08/29	ND, RDL=0.10		ug/L	

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Vinyl Chloride	2024/08/29	ND, RDL=0.20		ug/L	
			o-Xylene	2024/08/29	ND, RDL=0.10		ug/L	
			p+m-Xylene	2024/08/29	ND, RDL=0.10		ug/L	
			Total Trihalomethanes	2024/08/29	ND, RDL=0.20		ug/L	
9604358	ZWA	RPD [AAUW08-08]	1,1-Dichloroethylene	2024/08/29	NC		%	30
			1,2-Dichlorobenzene	2024/08/29	NC		%	30
			1,2-Dichloroethane	2024/08/29	NC		%	30
			1,4-Dichlorobenzene	2024/08/29	NC		%	30
			Benzene	2024/08/29	NC		%	30
			Bromodichloromethane	2024/08/29	NC		%	30
			Bromoform	2024/08/29	NC		%	30
			Carbon Tetrachloride	2024/08/29	NC		%	30
			Chlorobenzene	2024/08/29	NC		%	30
			Chloroform	2024/08/29	2.7		%	30
			Dibromochloromethane	2024/08/29	NC		%	30
			Methylene Chloride(Dichloromethane)	2024/08/29	NC		%	30
			Ethylbenzene	2024/08/29	NC		%	30
			Methyl t-butyl ether (MTBE)	2024/08/29	NC		%	30
			Tetrachloroethylene	2024/08/29	NC		%	30
			Toluene	2024/08/29	NC		%	30
			Trichloroethylene	2024/08/29	NC		%	30
			Vinyl Chloride	2024/08/29	NC		%	30
			o-Xylene	2024/08/29	NC		%	30
			p+m-Xylene	2024/08/29	NC		%	30
			Total Trihalomethanes	2024/08/29	2.7		%	30
9608285	LPG	Matrix Spike [AAUW08-02]	2,4,5,6-Tetrachloro-m-xylene	2024/08/31		53	%	30 - 130
			Decachlorobiphenyl	2024/08/31		115	%	30 - 130
			Lindane	2024/08/31		100	%	30 - 130
			Heptachlor	2024/08/31		70	%	30 - 130
			Aldrin	2024/08/31		84	%	30 - 130
			Heptachlor epoxide	2024/08/31		107	%	30 - 130
			Oxychlordane	2024/08/31		109	%	30 - 130
			g-Chlordane	2024/08/31		109	%	30 - 130
			a-Chlordane	2024/08/31		108	%	30 - 130
			Dieldrin	2024/08/31		121	%	30 - 130
			o,p-DDE	2024/08/31		112	%	30 - 130
			p,p-DDE	2024/08/31		101	%	30 - 130
			o,p-DDD	2024/08/31		117	%	30 - 130
			p,p-DDD	2024/08/31		114	%	30 - 130
			o,p-DDT	2024/08/31		89	%	30 - 130
			p,p-DDT	2024/08/31		80	%	30 - 130
			Methoxychlor	2024/08/31		77	%	30 - 130
9608285	LPG	Spiked Blank	2,4,5,6-Tetrachloro-m-xylene	2024/08/31		66	%	30 - 130
			Decachlorobiphenyl	2024/08/31		99	%	30 - 130
			Lindane	2024/08/31		91	%	30 - 130
			Heptachlor	2024/08/31		69	%	30 - 130

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Aldrin	2024/08/31		88	%	30 - 130
			Heptachlor epoxide	2024/08/31		99	%	30 - 130
			Oxychlordane	2024/08/31		105	%	30 - 130
			g-Chlordane	2024/08/31		104	%	30 - 130
			a-Chlordane	2024/08/31		104	%	30 - 130
			Dieldrin	2024/08/31		119	%	30 - 130
			o,p-DDE	2024/08/31		108	%	30 - 130
			p,p-DDE	2024/08/31		114	%	30 - 130
			o,p-DDD	2024/08/31		115	%	30 - 130
			p,p-DDD	2024/08/31		115	%	30 - 130
			o,p-DDT	2024/08/31		79	%	30 - 130
			p,p-DDT	2024/08/31		73	%	30 - 130
			Methoxychlor	2024/08/31		64	%	30 - 130
9608285	LPG	RPD	Lindane	2024/08/31	0.11		%	40
			Heptachlor	2024/08/31	2.4		%	40
			Aldrin	2024/08/31	1.1		%	40
			Heptachlor epoxide	2024/08/31	2.1		%	40
			Oxychlordane	2024/08/31	1.3		%	40
			g-Chlordane	2024/08/31	1.5		%	40
			a-Chlordane	2024/08/31	3.4		%	40
			Dieldrin	2024/08/31	5.6		%	40
			o,p-DDE	2024/08/31	2.9		%	40
			p,p-DDE	2024/08/31	0.56		%	40
			o,p-DDD	2024/08/31	3.7		%	40
			p,p-DDD	2024/08/31	5.5		%	40
			o,p-DDT	2024/08/31	1.6		%	40
			p,p-DDT	2024/08/31	9.4		%	40
			Methoxychlor	2024/08/31	1.7		%	40
9608285	LPG	Method Blank	2,4,5,6-Tetrachloro-m-xylene	2024/08/31		58	%	30 - 130
			Decachlorobiphenyl	2024/08/31		99	%	30 - 130
			Lindane	2024/08/31	ND, RDL=0.0060		ug/L	
			Heptachlor	2024/08/31	ND, RDL=0.0060		ug/L	
			Aldrin	2024/08/31	ND, RDL=0.0060		ug/L	
			Heptachlor epoxide	2024/08/31	ND, RDL=0.0060		ug/L	
			Oxychlordane	2024/08/31	ND, RDL=0.0060		ug/L	
			g-Chlordane	2024/08/31	ND, RDL=0.0060		ug/L	
			a-Chlordane	2024/08/31	ND, RDL=0.0060		ug/L	
			Dieldrin	2024/08/31	ND, RDL=0.0060		ug/L	
			o,p-DDE	2024/08/31	ND, RDL=0.0060		ug/L	
			p,p-DDE	2024/08/31	ND, RDL=0.0060		ug/L	
			o,p-DDD	2024/08/31	ND, RDL=0.0060		ug/L	

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			p,p-DDD	2024/08/31	ND, RDL=0.0060		ug/L	
			o,p-DDT	2024/08/31	ND, RDL=0.0060		ug/L	
			p,p-DDT	2024/08/31	ND, RDL=0.0060		ug/L	
			Methoxychlor	2024/08/31	ND, RDL=0.024		ug/L	
			Aroclor 1016	2024/08/31	ND, RDL=0.050		ug/L	
			Aroclor 1221	2024/08/31	ND, RDL=0.050		ug/L	
			Aroclor 1232	2024/08/31	ND, RDL=0.050		ug/L	
			Aroclor 1242	2024/08/31	ND, RDL=0.050		ug/L	
			Aroclor 1248	2024/08/31	ND, RDL=0.050		ug/L	
			Aroclor 1254	2024/08/31	ND, RDL=0.050		ug/L	
			Aroclor 1260	2024/08/31	ND, RDL=0.050		ug/L	
9609401	WZ	Matrix Spike [AAUW08-03]	2,4,6-Tribromophenol	2024/08/31		91	%	30 - 130
			2,4-Dichlorophenyl Acetic Acid	2024/08/31		86	%	30 - 130
			2-Fluorobiphenyl	2024/08/31		69	%	30 - 130
			D14-Terphenyl (FS)	2024/08/31		97	%	30 - 130
			D5-Nitrobenzene	2024/08/31		87	%	30 - 130
			2,3,4,6-Tetrachlorophenol	2024/08/31		115	%	30 - 130
			2,4,5-T	2024/08/31		105	%	30 - 130
			2,4,6-Trichlorophenol	2024/08/31		89	%	30 - 130
			2,4-D	2024/08/31		95	%	30 - 130
			2,4-Dichlorophenol	2024/08/31		81	%	30 - 130
			Alachlor	2024/08/31		93	%	40 - 130
			Aldicarb	2024/08/31		100	%	70 - 130
			Atrazine	2024/08/31		91	%	30 - 130
			Des-ethyl atrazine	2024/08/31		52	%	30 - 130
			Atrazine + Desethyl-atrazine	2024/08/31		71	%	30 - 130
			Bendiocarb	2024/08/31		103	%	40 - 130
			Bromoxynil	2024/08/31		106	%	40 - 130
			Carbaryl	2024/08/31		104	%	40 - 130
			Carbofuran	2024/08/31		107	%	40 - 130
			Chlorpyrifos (Dursban)	2024/08/31		91	%	40 - 130
			Cyanazine (Bladex)	2024/08/31		63	%	40 - 130
			Diazinon	2024/08/31		95	%	40 - 130
			Dicamba	2024/08/31		89	%	30 - 130
			Diclofop-methyl	2024/08/31		103	%	40 - 130
			Dimethoate	2024/08/31		83	%	40 - 130
			Dinoseb	2024/08/31		96	%	40 - 130
			Malathion	2024/08/31		89	%	40 - 130
			MCPA	2024/08/31		100	%	10 - 130
			Metolachlor	2024/08/31		88	%	40 - 130

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Metribuzin (Sencor)	2024/08/31		82	%	40 - 130
			Ethyl Parathion	2024/08/31		82	%	40 - 130
			Pentachlorophenol	2024/08/31		109	%	25 - 130
			Phorate	2024/08/31		86	%	40 - 130
			Picloram	2024/08/31		41	%	10 - 130
			Prometryne	2024/08/31		87	%	30 - 130
			Simazine	2024/08/31		88	%	40 - 130
			Terbufos	2024/08/31		100	%	40 - 130
			Triallate	2024/08/31		91	%	40 - 130
			Trifluralin	2024/08/31		96	%	40 - 130
			Benzo(a)pyrene	2024/08/31		109	%	30 - 130
			Methyl parathion	2024/08/31		81	%	30 - 130
9609401	WZ	Spiked Blank	2,4,6-Tribromophenol	2024/08/31		77	%	30 - 130
			2,4-Dichlorophenyl Acetic Acid	2024/08/31		76	%	30 - 130
			2-Fluorobiphenyl	2024/08/31		60	%	30 - 130
			D14-Terphenyl (FS)	2024/08/31		80	%	30 - 130
			D5-Nitrobenzene	2024/08/31		74	%	30 - 130
			2,3,4,6-Tetrachlorophenol	2024/08/31		96	%	30 - 130
			2,4,5-T	2024/08/31		87	%	30 - 130
			2,4,6-Trichlorophenol	2024/08/31		75	%	30 - 130
			2,4-D	2024/08/31		80	%	30 - 130
			2,4-Dichlorophenol	2024/08/31		67	%	30 - 130
			Alachlor	2024/08/31		77	%	40 - 130
			Aldicarb	2024/08/31		86	%	70 - 130
			Atrazine	2024/08/31		75	%	30 - 130
			Des-ethyl atrazine	2024/08/31		43	%	30 - 130
			Atrazine + Desethyl-atrazine	2024/08/31		59	%	30 - 130
			Bendiocarb	2024/08/31		86	%	40 - 130
			Bromoxynil	2024/08/31		88	%	40 - 130
			Carbaryl	2024/08/31		86	%	40 - 130
			Carbofuran	2024/08/31		88	%	40 - 130
			Chlorpyrifos (Dursban)	2024/08/31		74	%	40 - 130
			Cyanazine (Bladex)	2024/08/31		51	%	40 - 130
			Diazinon	2024/08/31		78	%	40 - 130
			Dicamba	2024/08/31		76	%	30 - 130
			Diclofop-methyl	2024/08/31		86	%	40 - 130
			Dimethoate	2024/08/31		69	%	40 - 130
			Dinoseb	2024/08/31		78	%	40 - 130
			Malathion	2024/08/31		73	%	40 - 130
			MCPA	2024/08/31		84	%	10 - 130
			Metolachlor	2024/08/31		73	%	40 - 130
			Metribuzin (Sencor)	2024/08/31		69	%	40 - 130
			Ethyl Parathion	2024/08/31		68	%	40 - 130
			Pentachlorophenol	2024/08/31		90	%	25 - 130
			Phorate	2024/08/31		73	%	40 - 130
			Picloram	2024/08/31		31	%	10 - 130
			Prometryne	2024/08/31		74	%	30 - 130
			Simazine	2024/08/31		72	%	40 - 130
			Terbufos	2024/08/31		80	%	40 - 130
			Triallate	2024/08/31		74	%	40 - 130
			Trifluralin	2024/08/31		80	%	40 - 130

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Benzo(a)pyrene	2024/08/31		90	%	30 - 130
			Methyl parathion	2024/08/31		67	%	30 - 130
9609401	WZ	RPD	2,3,4,6-Tetrachlorophenol	2024/08/31	21		%	40
			2,4,5-T	2024/08/31	23		%	40
			2,4,6-Trichlorophenol	2024/08/31	22		%	40
			2,4-D	2024/08/31	24		%	40
			2,4-Dichlorophenol	2024/08/31	26		%	40
			Alachlor	2024/08/31	21		%	40
			Aldicarb	2024/08/31	20		%	40
			Atrazine	2024/08/31	18		%	40
			Des-ethyl atrazine	2024/08/31	16		%	40
			Atrazine + Desethyl-atrazine	2024/08/31	17		%	40
			Bendiocarb	2024/08/31	24		%	40
			Bromoxynil	2024/08/31	21		%	40
			Carbaryl	2024/08/31	23		%	40
			Carbofuran	2024/08/31	21		%	40
			Chlorpyrifos (Dursban)	2024/08/31	22		%	40
			Cyanazine (Bladex)	2024/08/31	13		%	40
			Diazinon	2024/08/31	19		%	40
			Dicamba	2024/08/31	25		%	40
			Diclofop-methyl	2024/08/31	21		%	40
			Dimethoate	2024/08/31	19		%	40
			Dinoseb	2024/08/31	23		%	40
			Malathion	2024/08/31	20		%	40
			MCPA	2024/08/31	22		%	40
			Metolachlor	2024/08/31	20		%	40
			Metribuzin (Sencor)	2024/08/31	20		%	40
			Ethyl Parathion	2024/08/31	23		%	40
			Pentachlorophenol	2024/08/31	22		%	40
			Phorate	2024/08/31	21		%	40
			Picloram	2024/08/31	46 (1)		%	40
			Prometryne	2024/08/31	19		%	40
			Simazine	2024/08/31	16		%	40
			Terbufos	2024/08/31	23		%	40
			Triallate	2024/08/31	22		%	40
			Trifluralin	2024/08/31	22		%	40
			Benzo(a)pyrene	2024/08/31	20		%	40
			Methyl parathion	2024/08/31	19		%	40
9609401	WZ	Method Blank	2,4,6-Tribromophenol	2024/08/30		82	%	30 - 130
			2,4-Dichlorophenyl Acetic Acid	2024/08/30		83	%	30 - 130
			2-Fluorobiphenyl	2024/08/30		73	%	30 - 130
			D14-Terphenyl (FS)	2024/08/30		91	%	30 - 130
			D5-Nitrobenzene	2024/08/30		88	%	30 - 130
			2,3,4,6-Tetrachlorophenol	2024/08/30	ND, RDL=0.50		ug/L	
			2,4,5-T	2024/08/30	ND, RDL=1.0		ug/L	
			2,4,6-Trichlorophenol	2024/08/30	ND, RDL=0.50		ug/L	
			2,4-D	2024/08/30	ND, RDL=1.0		ug/L	

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			2,4-Dichlorophenol	2024/08/30	ND, RDL=0.25		ug/L	
			Alachlor	2024/08/30	ND, RDL=0.50		ug/L	
			Aldicarb	2024/08/30	ND, RDL=5.0		ug/L	
			Atrazine	2024/08/30	ND, RDL=0.50		ug/L	
			Des-ethyl atrazine	2024/08/30	ND, RDL=0.50		ug/L	
			Atrazine + Desethyl-atrazine	2024/08/30	ND, RDL=1.0		ug/L	
			Bendiocarb	2024/08/30	ND, RDL=2.0		ug/L	
			Bromoxynil	2024/08/30	ND, RDL=0.50		ug/L	
			Carbaryl	2024/08/30	ND, RDL=5.0		ug/L	
			Carbofuran	2024/08/30	ND, RDL=5.0		ug/L	
			Chlorpyrifos (Dursban)	2024/08/30	ND, RDL=1.0		ug/L	
			Cyanazine (Bladex)	2024/08/30	ND, RDL=1.0		ug/L	
			Diazinon	2024/08/30	ND, RDL=1.0		ug/L	
			Dicamba	2024/08/30	ND, RDL=1.0		ug/L	
			Diclofop-methyl	2024/08/30	ND, RDL=0.90		ug/L	
			Dimethoate	2024/08/30	ND, RDL=2.5		ug/L	
			Dinoseb	2024/08/30	ND, RDL=1.0		ug/L	
			Malathion	2024/08/30	ND, RDL=5.0		ug/L	
			MCPA	2024/08/30	ND, RDL=10		ug/L	
			Metolachlor	2024/08/30	ND, RDL=0.50		ug/L	
			Metribuzin (Sencor)	2024/08/30	ND, RDL=5.0		ug/L	
			Ethyl Parathion	2024/08/30	ND, RDL=1.0		ug/L	
			Pentachlorophenol	2024/08/30	ND, RDL=0.50		ug/L	
			Phorate	2024/08/30	ND, RDL=0.50		ug/L	
			Picloram	2024/08/30	ND, RDL=5.0		ug/L	
			Prometryne	2024/08/30	ND, RDL=0.25		ug/L	

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Simazine	2024/08/30	ND, RDL=1.0		ug/L	
			Terbufos	2024/08/30	ND, RDL=0.50		ug/L	
			Triallate	2024/08/30	ND, RDL=1.0		ug/L	
			Trifluralin	2024/08/30	ND, RDL=1.0		ug/L	
			Benzo(a)pyrene	2024/08/30	ND, RDL=0.0050		ug/L	
			Methyl parathion	2024/08/30	ND, RDL=1.0		ug/L	
9609413	FKU	Matrix Spike	Diuron	2024/08/30		88	%	40 - 130
			Guthion (Azinphos-methyl)	2024/08/30		90	%	40 - 130
			Temephos	2024/08/30		56	%	40 - 130
9609413	FKU	Spiked Blank	Diuron	2024/08/30		92	%	40 - 130
			Guthion (Azinphos-methyl)	2024/08/30		93	%	40 - 130
			Temephos	2024/08/30		50	%	40 - 130
9609413	FKU	Method Blank	Diuron	2024/08/30	ND, RDL=10		ug/L	
			Guthion (Azinphos-methyl)	2024/08/30	ND, RDL=2.0		ug/L	
			Temephos	2024/08/30	ND, RDL=10		ug/L	
9609413	FKU	RPD	Diuron	2024/08/30	NC		%	40
			Guthion (Azinphos-methyl)	2024/08/30	NC		%	40
			Temephos	2024/08/30	NC		%	40

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

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

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

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

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

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

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

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C4Q2789
Report Date: 2024/09/04

WSH Labs
Client Project #: CORDELLS TECHNICAL
Your P.O. #: 8496
Sampler Initials: BW

VALIDATION SIGNATURE PAGE

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

Louise Harding, Team Lead

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 Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com