



Date: 08-MAR-19
PO No.:
WO No.: L2231819
Project Ref: SCHEDULE 4 MONITORING + CDWQG (BI-ANNUAL)
Sample ID: WTP
Sampled By:
Date Collected: 12-FEB-19
Lab Sample ID: L2231819-1
Matrix: WATER

Town of Cochrane
101 Ranchehouse Rd
Cochrane AB T4C 2K8
ATTN: Richard Gaida

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Chloramines						
Chlorine, Total	0.80		mg/L			16-FEB-19
Chlorine, Free	0.70		mg/L			16-FEB-19
Total Chloramines (as Cl ₂)	<0.20		mg/L			19-FEB-19
Chlorate, Chlorite, and Bromate in Water						
Chlorite by IC						
Chlorite	<0.050		mg/L	1.0		14-FEB-19
Chlorate by IC						
Chlorate	0.057		mg/L	1.0		14-FEB-19
Bromate in Water by LC/MS-MS						
Bromate	<0.30		ug/L	10		14-FEB-19
Diquat and Paraquat by LC/MS-MS						
Paraquat in Water by LC/MS-MS						
Paraquat	<1.0		ug/L	7		16-FEB-19
Diquat by LC/MS-MS						
Diquat	<1.0		ug/L	70		16-FEB-19
Herb Screen GC/MS						
Miscellaneous Pesticides						
Trifluralin	<0.00010		mg/L	0.045		19-FEB-19
Triallate	<0.00010		mg/L			19-FEB-19
Fluazifop-p-butyl	<0.00010		mg/L			19-FEB-19
Diclofop-methyl	<0.00010		mg/L	0.009		19-FEB-19
Ethalfuralin	<0.00010		mg/L			19-FEB-19
Surr:	D14-Terphenyl		86.4	%		19-FEB-19
Herbicides in Water						
Clopyralid	<0.00010		mg/L			16-FEB-19
Dicamba	<0.00010		mg/L	0.12		16-FEB-19
Mecoprop	<0.00010		mg/L			16-FEB-19
MCPA	<0.00010		mg/L			16-FEB-19
2,4-D	<0.00010		mg/L	0.1		16-FEB-19
Bromoxynil	<0.0010	DLM	mg/L	0.005		16-FEB-19
Triclopyr	<0.00010		mg/L			16-FEB-19
2,4,5-T	<0.00010		mg/L			16-FEB-19
2,4,5-TP	<0.00010		mg/L			16-FEB-19
Picloram	<0.00010		mg/L	0.19		16-FEB-19
2,4-DB	<0.00010		mg/L			16-FEB-19
2,4-DP	<0.00010		mg/L			16-FEB-19
Dinoseb	<0.00010		mg/L			16-FEB-19
MCPB	<0.00010		mg/L			16-FEB-19
Surr:	2,4-Dichlorophenylacetic Acid		105.0	%		16-FEB-19



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Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Total Metals (ABT1)						
Total Metals in Water by ICPOES						
Calcium (Ca)-Total	48.5		mg/L			14-FEB-19
Iron (Fe)-Total	<0.030		mg/L		0.3	14-FEB-19
Magnesium (Mg)-Total	15.4		mg/L			14-FEB-19
Manganese (Mn)-Total	<0.0050		mg/L		0.05	14-FEB-19
Potassium (K)-Total	0.53		mg/L			14-FEB-19
Sodium (Na)-Total	3.6		mg/L		200	14-FEB-19
Total Metals in Water by CRC ICPMS						
Aluminum (Al)-Total	0.0395		mg/L		0.1	13-FEB-19
Antimony (Sb)-Total	<0.00010		mg/L	0.006		13-FEB-19
Arsenic (As)-Total	0.00011		mg/L	0.01		13-FEB-19
Barium (Ba)-Total	0.0333		mg/L	1		13-FEB-19
Boron (B)-Total	<0.010		mg/L	5		13-FEB-19
Cadmium (Cd)-Total	<0.0000050		mg/L	0.005		13-FEB-19
Chromium (Cr)-Total	0.00013		mg/L	0.05		13-FEB-19
Copper (Cu)-Total	<0.00050		mg/L	2.0	1.0	13-FEB-19
Lead (Pb)-Total	<0.000050		mg/L	0.01		13-FEB-19
Nickel (Ni)-Total	<0.00050		mg/L			13-FEB-19
Selenium (Se)-Total	0.000608		mg/L	0.05		13-FEB-19
Silver (Ag)-Total	<0.000010		mg/L			13-FEB-19
Uranium (U)-Total	0.000237		mg/L	0.02		13-FEB-19
Zinc (Zn)-Total	<0.0030		mg/L		5.0	13-FEB-19
Total Mercury in Water by CVAAS						
Mercury (Hg)-Total	<0.0000050		mg/L	0.001		21-FEB-19
Routine Water Analysis						
*Nitrate and Nitrite (as N)	0.158		mg/L	10		14-FEB-19
pH, Conductivity and Total Alkalinity						
pH	8.20		pH		7-10.5	20-FEB-19
Conductivity (EC)	370		uS/cm			20-FEB-19
Bicarbonate (HCO3)	168		mg/L			20-FEB-19
Carbonate (CO3)	<5.0		mg/L			20-FEB-19
Hydroxide (OH)	<5.0		mg/L			20-FEB-19
Alkalinity, Total (as CaCO3)	138		mg/L			20-FEB-19
Sulfate in Water by IC						
Sulfate (SO4)	51.2		mg/L		500	13-FEB-19
Nitrite in Water by IC						
*Nitrite (as N)	<0.010		mg/L	1		13-FEB-19
Nitrate in Water by IC						
*Nitrate (as N)	0.158		mg/L	10		13-FEB-19

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Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Routine Water Analysis						
Ion Balance Calculation						
Ion Balance	98.8		%			22-FEB-19
TDS (Calculated)	216		mg/L		500	22-FEB-19
Hardness (as CaCO3)	195		mg/L		500	22-FEB-19
Fluoride in Water by IC						
Fluoride (F)	0.110		mg/L	1.5		13-FEB-19
Dissolved Metals by ICPOES						
Dissolved Metals	LAB					14-FEB-19
Filtration Location						
Calcium (Ca)-Dissolved	52.0		mg/L			14-FEB-19
Magnesium (Mg)-Dissolved	15.8		mg/L			14-FEB-19
Potassium (K)-Dissolved	0.56		mg/L			14-FEB-19
Sodium (Na)-Dissolved	3.5		mg/L		200	14-FEB-19
Chloride in Water by IC						
Chloride (Cl)	9.81		mg/L		250	13-FEB-19
Cyanide, Total	<0.0020		mg/L	0.2		14-FEB-19
Ammonia, Total (as N)	<0.050		mg/L			21-FEB-19
Colour, True	<5.0		CU		15	13-FEB-19
Diuron	<1.0		ug/L	150		19-FEB-19
Total cyanobacterial cell count	<1		cells/mL			20-FEB-19
Note: No cyanobacteria observed.						
Glyphosate	<5.0		ug/L	280		21-FEB-19
Methyl tert-butyl ether	<0.0050		mg/L		0.015	15-FEB-19
Microcystin	<0.20		ug/L	1.5		16-FEB-19
Nitritotriacetic Acid (NTA)	<0.20		mg/L	0.4		17-FEB-19
Methoxychlor	<0.10		ug/L			21-FEB-19
Sulphide (as S)	<0.0015		mg/L		0.05	14-FEB-19
Xylenes	<0.0014		mg/L	0.09	0.02	21-FEB-19
Total Organic Carbon	1.0		mg/L			20-FEB-19
Trihalomethanes						
Chloroform	0.0026		mg/L			15-FEB-19
Bromodichloromethane	<0.0010		mg/L			15-FEB-19
Dibromochloromethane	<0.0010		mg/L			15-FEB-19
Bromoform	<0.0050		mg/L			15-FEB-19
Surr:	1,4-Difluorobenzene	90.5	%			15-FEB-19
Surr:	4-Bromofluorobenzene	79.6	%			15-FEB-19



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Trihalomethanes						
Surr: 3,4-Dichlorotoluene	100.4		%			15-FEB-19
Total THMs	<0.005		mg/L	0.1		15-FEB-19
N-Nitrosodimethylamine by HRMS						
N-Nitrosodimethylamine	<0.50	M,U	ng/L	40		05-MAR-19
Surr: N-Nitrosodimethylamine (Surr.)	66.0		%			05-MAR-19
Miscellaneous Pesticides						
Alachlor	<0.10		ug/L			19-FEB-19
Ametryn	<0.10		ug/L			19-FEB-19
Atrazine	<0.10		ug/L			19-FEB-19
Atrazine Desethyl	<0.10		ug/L			19-FEB-19
Azinphos-methyl	<0.10		ug/L	20		19-FEB-19
Bendiocarb	<0.50		ug/L			19-FEB-19
Benzo(a)pyrene	<0.010		ug/L	0.04		19-FEB-19
Carbaryl	<0.50		ug/L	90		19-FEB-19
Carbofuran	<0.50		ug/L	90		19-FEB-19
Chlorpyrifos	<0.10		ug/L	90		19-FEB-19
Cyanazine	<0.10		ug/L			19-FEB-19
Diazinon	<0.10		ug/L	20		19-FEB-19
Diclofop-methyl	<0.10		ug/L	9		19-FEB-19
Dimethoate	<0.10		ug/L	20		19-FEB-19
Malathion	<0.10		ug/L	190		19-FEB-19
Methyl Parathion	<0.10		ug/L			19-FEB-19
Metolachlor	<0.10		ug/L	50		19-FEB-19
Metribuzin	<1.0		ug/L	80		19-FEB-19
Parathion	<0.10		ug/L	50		19-FEB-19
Phorate	<0.10		ug/L	2		19-FEB-19
Prometon	<0.10		ug/L			19-FEB-19
Prometryne	<0.10		ug/L			19-FEB-19
Propazine	<0.10		ug/L			19-FEB-19
Simazine	<0.10		ug/L	10		19-FEB-19
Temephos	<1.0		ug/L			19-FEB-19
Terbufos	<0.10		ug/L	1		19-FEB-19
Terbutryn	<0.10		ug/L			19-FEB-19
Triallate	<0.10		ug/L			19-FEB-19
Trifluralin	<0.10		ug/L	45		19-FEB-19
Atrazine+N-Dealkylated Metabolites	<0.20		ug/L	5		19-FEB-19
Surr: 2-Fluorobiphenyl	81.7		%			19-FEB-19
Surr: d14-Terphenyl	86.4		%			19-FEB-19
EPA 8260 Volatile Organics						
Dichlorodifluoromethane	<0.0010		mg/L			15-FEB-19
Chloromethane	<0.010		mg/L			15-FEB-19



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Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
EPA 8260 Volatile Organics						
Vinyl chloride	<0.00050		mg/L	0.002		15-FEB-19
Bromomethane	<0.010		mg/L			15-FEB-19
Chloroethane	<0.010		mg/L			15-FEB-19
Trichlorofluoromethane	<0.0010		mg/L			15-FEB-19
1,1-Dichloroethene	<0.0010		mg/L	0.014		15-FEB-19
Methylene chloride	<0.0010		mg/L	0.05		15-FEB-19
trans-1,2-Dichloroethene	<0.0010		mg/L			15-FEB-19
1,1-Dichloroethane	<0.0010		mg/L			15-FEB-19
2,2-Dichloropropane	<0.0010		mg/L			15-FEB-19
cis-1,2-Dichloroethene	<0.0010		mg/L			15-FEB-19
Chloroform	0.0026		mg/L			15-FEB-19
Bromochloromethane	<0.0010		mg/L			15-FEB-19
1,2-Dichloroethane	<0.0010		mg/L	0.005		15-FEB-19
1,1,1-Trichloroethane	<0.0010		mg/L			15-FEB-19
1,1-Dichloropropene	<0.0010		mg/L			15-FEB-19
Carbon tetrachloride	<0.0010		mg/L	0.005		15-FEB-19
Benzene	<0.0010		mg/L	0.005		15-FEB-19
Trichloroethene	<0.0010		mg/L	0.005		15-FEB-19
1,2-Dichloropropane	<0.0010		mg/L			15-FEB-19
Bromodichloromethane	<0.0010		mg/L			15-FEB-19
Dibromomethane	<0.0010		mg/L			15-FEB-19
cis-1,3-Dichloropropene	<0.0010		mg/L			15-FEB-19
trans-1,3-Dichloropropene	<0.0010		mg/L			15-FEB-19
Toluene	<0.0010		mg/L	0.06	0.024	15-FEB-19
1,1,2-Trichloroethane	<0.0010		mg/L			15-FEB-19
1,3-Dichloropropane	<0.0010		mg/L			15-FEB-19
Tetrachloroethene	<0.0010		mg/L	0.03		15-FEB-19
Dibromochloromethane	<0.0010		mg/L			15-FEB-19
1,2-Dibromoethane	<0.0010		mg/L			15-FEB-19
Chlorobenzene	<0.0010		mg/L	0.08		15-FEB-19
Ethylbenzene	<0.0010		mg/L	0.14	0.0016	15-FEB-19
1,1,1,2-Tetrachloroethane	<0.0010		mg/L			15-FEB-19
m+p-Xylenes	<0.0010		mg/L			15-FEB-19
o-Xylene	<0.0010		mg/L			15-FEB-19
Styrene	<0.0010		mg/L			15-FEB-19
Bromoform	<0.0010		mg/L			15-FEB-19
Isopropylbenzene	<0.0010		mg/L			15-FEB-19
1,1,2,2-Tetrachloroethane	<0.0050		mg/L			15-FEB-19
1,2,3-Trichloropropane	<0.0020		mg/L			15-FEB-19
n-Propylbenzene	<0.0010		mg/L			15-FEB-19
Bromobenzene	<0.0010		mg/L			15-FEB-19
1,3,5-Trimethylbenzene	<0.0010		mg/L			15-FEB-19
2-Chlorotoluene	<0.0010		mg/L			15-FEB-19
4-Chlorotoluene	<0.0010		mg/L			15-FEB-19

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EPA 8260 Volatile Organics						
tert-Butylbenzene	<0.0010		mg/L			15-FEB-19
1,2,4-Trimethylbenzene	<0.0010		mg/L			15-FEB-19
sec-Butylbenzene	<0.0010		mg/L			15-FEB-19
p-Isopropyltoluene	<0.0010		mg/L			15-FEB-19
1,3-Dichlorobenzene	<0.0010		mg/L			15-FEB-19
1,4-Dichlorobenzene	<0.0010		mg/L	0.005	0.001	15-FEB-19
n-Butylbenzene	<0.0010		mg/L			15-FEB-19
1,2-Dichlorobenzene	<0.0010		mg/L	0.2	0.003	15-FEB-19
1,2-Dibromo-3-chloropropane	<0.0010		mg/L			15-FEB-19
1,2,4-Trichlorobenzene	<0.0010		mg/L			15-FEB-19
Hexachlorobutadiene	<0.0010		mg/L			15-FEB-19
1,2,3-Trichlorobenzene	<0.0010		mg/L			15-FEB-19
Surr: 1,4-Difluorobenzene	90.5		%			15-FEB-19
Surr: 4-Bromofluorobenzene	79.6		%			15-FEB-19
Surr: 3,4-Dichlorotoluene	100.4		%			15-FEB-19
Chlorinated Aromatics - Phenolic Comp						
2,4,6-Trichlorophenol	<0.00010		mg/L	0.005	0.002	25-FEB-19
2,4 & 2,5-Dichlorophenol	<0.00010		mg/L			25-FEB-19
2,3,4,6-Tetrachlorophenol	<0.00010		mg/L	0.1	0.001	25-FEB-19
Pentachlorophenol	<0.00010		mg/L	0.06	0.03	25-FEB-19
Phenol	<0.00050		mg/L			25-FEB-19
Surr: 2-Fluorophenol	86.0		%			25-FEB-19
Surr: Phenol d5	71.9		%			25-FEB-19
Surr: 2,4,6-Tribromophenol	92.9		%			25-FEB-19
CDWQG = Health Canada Guideline Limits updated MAY 2018						
* CDWQG for Nitrate+Nitrite-N is the limit for nitrate only. If present as Nitrate then the limit is 10mg/L < or N.D. = less than detection limit. * Turbidity guideline based on membrane filtration. For guidelines on conventional treatment and slow sand or diatomaceous earth filtration please see Summary Table of Guidelines for Canadian Drinking Water Quality - A blank entry designates no known limit. - A shaded value in the Results column exceeds CDWQG MAC and/ or Aesthetic Objective.						
Approved by <u>Justine Buma-a</u> Justine Buma-a Account Manager						

Guidelines & Objectives

Sample Parameter Qualifier key listed:

Qualifier	Description
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).

Health Canada MAC Health Related Criteria Limits

Nitrate/Nitrite-N*	Criteria limit is 10 mg/L (1.0 mg/L if present as all Nitrite-N). High concentrations may contribute to blue baby syndrome in infants.
Lead*	A cumulative body poison, uncommon in naturally occurring hard waters.
Fluoride*	Present in fluoridated water supplies at 0.8 mg/L to reduce dental caries. Elevated levels causes fluorosis (mottling of teeth).
Total Coliforms*	Criteria is 0 CFU/100mL. Adverse health effects.
E. Coli*	Criteria is 0 CFU/100 mL. Certain E. Coli bacteria can be life threatening.

*Health Canada Canadian Drinking Water Quality Guidelines (MAC limit)

Aesthetic Objective Concentration Levels

Alkalinity	Acid neutralizing capacity. Usually a measure of carbonate and bicarbonates and calculated and reported as calcium carbonate.
Balance	Quality control parameter ratioing cations to anions
Bicarbonate	See Alkalinity. Report as the anion HCO ₃ -1
Carbonate	See Alkalinity. Reported at the anion CO ₃ -2
Calcium	See Hardness. Common major cation of water chemistry.
Chloride	Common major anion of water chemistry.
Conductance	Physical test measuring water salinity (dissolved ions or solids)
Hardness	Classical measure or capacity of water to precipitate soap (chiefly calcium and magnesium ions). Causes scaling tendency in water if carbonates/bicarbonates are present (if >200 mg/L). For drinking water purposes waters with results <200 mg/L are considered acceptable, results >200 mg/L are considered poor but can be tolerated. Results >500 mg/L are unacceptable.
Hydroxide	See alkalinity
Magnesium	See hardness. Common major cation of water chemistry. Elevated levels (>125 mg/L) may exert a cathartic or diuretic action.
pH	Measure of water acidity/alkalinity. Normal range is 7.0-8.5.
Potassium	Common major cation of water chemistry.
Sodium	Common major cation of water chemistry. Measure of salinity (saltiness). The aesthetic objective (not related to health) for sodium in drinking water is 200 mg/L. However, where sodium concentration of the drinking water exceeds 20 mg/L, it is recommended that any person on a sodium restricted diet consult with his/her physician or Medical Officer of Health concerning the use of that water.
Sulphate	Common major anion of water chemistry. Elevated levels may exert a cathartic or diuretic action.
Total Dissolved Solids	A measure of water salinity.
Iron	Causes staining to laundry and porcelain and astringent taste. Oxidizes to red-brown precipitate on exposure to air.
Manganese	Elevated levels may cause staining of laundry and porcelain.
Heterotrophic Plate Count	Criteria is 500 cfu/mL Measure of heterotrophic bacteria present.

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2231819

Report Date: 08-MAR-19

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Client: Town of Cochrane
 101 Ranchehouse Rd
 Cochrane AB T4C 2K8

Contact: Richard Gaida

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BROMATE-ONT-DW-WT Water								
Batch	R4508989							
WG2988829-2	LCS							
Bromate			98.5		%		70-130	14-FEB-19
WG2988829-1	MB							
Bromate			<0.30		ug/L		0.3	14-FEB-19
C-TOT-ORG-CL Water								
Batch	R4518112							
WG2992581-2	LCS							
Total Organic Carbon			106.6		%		80-120	20-FEB-19
WG2992581-1	MB							
Total Organic Carbon			<1.0		mg/L		1	20-FEB-19
CHLORATE-IC-WT Water								
Batch	R4509907							
WG2988889-2	LCS							
Chlorate			98.7		%		85-115	14-FEB-19
WG2988889-1	MB							
Chlorate			<0.050		mg/L		0.05	14-FEB-19
CHLORITE-IC-WT Water								
Batch	R4509907							
WG2988889-2	LCS							
Chlorite			101.4		%		85-115	14-FEB-19
WG2988889-1	MB							
Chlorite			<0.050		mg/L		0.05	14-FEB-19
CL-IC-N-CL Water								
Batch	R4507649							
WG2989161-2	LCS							
Chloride (Cl)			101.9		%		90-110	13-FEB-19
WG2989161-1	MB							
Chloride (Cl)			<0.50		mg/L		0.5	13-FEB-19
CL2-FREE-CL Water								
Batch	R4512758							
WG2990941-2	DUP	L2231819-1						
Chlorine, Free		0.70	0.70		mg/L	0.0	15	16-FEB-19
WG2990941-1	MB							
Chlorine, Free			<0.10		mg/L		0.1	16-FEB-19
CL2-TOT-CL Water								

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CL2-TOT-CL	Water							
Batch	R4512758							
WG2990941-2	DUP	L2231819-1						
Chlorine, Total		0.80	0.80		mg/L	0.0	15	16-FEB-19
WG2990941-1	MB							
Chlorine, Total			<0.10		mg/L		0.1	16-FEB-19
CN-TOT-WT	Water							
Batch	R4508881							
WG2988908-2	LCS							
Cyanide, Total			81.6		%		80-120	14-FEB-19
WG2988908-1	MB							
Cyanide, Total			<0.0020		mg/L		0.002	14-FEB-19
COLOUR-TRUE-CL	Water							
Batch	R4505028							
WG2988326-3	DUP	L2231819-1						
Colour, True		<5.0	<5.0	RPD-NA	CU	N/A	20	13-FEB-19
WG2988326-2	LCS							
Colour, True			103.5		%		85-115	13-FEB-19
WG2988326-1	MB							
Colour, True			<5.0		CU		5	13-FEB-19
DIQUAT-WT	Water							
Batch	R4512573							
WG2988875-2	LCS							
Diquat			88.4		%		70-130	15-FEB-19
WG2988875-1	MB							
Diquat			<1.0		ug/L		1	16-FEB-19
DIURON-WT	Water							
Batch	R4515247							
WG2990810-2	LCS							
Diuron			91.4		%		70-130	19-FEB-19
WG2990810-1	MB							
Diuron			<1.0		ug/L		1	19-FEB-19
F-IC-N-CL	Water							
Batch	R4507649							
WG2989161-2	LCS							
Fluoride (F)			103.4		%		90-110	13-FEB-19
WG2989161-1	MB							
Fluoride (F)			<0.020		mg/L		0.02	13-FEB-19
GLYPHOSATE-WT	Water							



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GLYPHOSATE-WT		Water						
Batch	R4518968							
WG2991069-2	LCS							
Glyphosate			93.4		%		50-150	21-FEB-19
WG2991069-1	MB							
Glyphosate			<5.0		ug/L		5	21-FEB-19
HERBSCR-LCMS-WT		Water						
Batch	R4515871							
WG2989053-3	DUP	L2231819-1						
Clopyralid		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
Dicamba		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
Mecoprop		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
MCPA		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
2,4-D		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
Bromoxynil		<0.0010	<0.0010	RPD-NA	mg/L	N/A	50	16-FEB-19
Triclopyr		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
2,4,5-T		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
2,4,5-TP		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
Picloram		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
2,4-DB		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
2,4-DP		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
Dinoseb		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
MCPB		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	16-FEB-19
WG2989053-2	LCS							
Clopyralid			83.0		%		50-150	19-FEB-19
Dicamba			103.0		%		50-150	19-FEB-19
Mecoprop			131.0		%		50-150	19-FEB-19
MCPA			113.0		%		50-150	19-FEB-19
2,4-D			89.0		%		50-150	19-FEB-19
Bromoxynil			80.1		%		50-150	19-FEB-19
Triclopyr			113.0		%		50-150	19-FEB-19
2,4,5-T			85.4		%		50-150	19-FEB-19
2,4,5-TP			143.0		%		50-150	19-FEB-19
Picloram			94.5		%		50-150	19-FEB-19
2,4-DB			149.0		%		50-150	19-FEB-19
2,4-DP			110.0		%		50-150	19-FEB-19
Dinoseb			96.1		%		50-150	19-FEB-19
MCPB			106.0		%		50-150	19-FEB-19



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HERBSCR-LCMS-WT								
	Water							
Batch	R4515871							
WG2989053-1	MB							
Clopyralid			<0.00010		mg/L		0.0001	16-FEB-19
Dicamba			<0.00010		mg/L		0.0001	16-FEB-19
Mecoprop			<0.00010		mg/L		0.0001	16-FEB-19
MCPA			<0.00010		mg/L		0.0001	16-FEB-19
2,4-D			<0.00010		mg/L		0.0001	16-FEB-19
Bromoxynil			<0.00010		mg/L		0.0001	16-FEB-19
Triclopyr			<0.00010		mg/L		0.0001	16-FEB-19
2,4,5-T			<0.00010		mg/L		0.0001	16-FEB-19
2,4,5-TP			<0.00010		mg/L		0.0001	16-FEB-19
Picloram			<0.00010		mg/L		0.0001	16-FEB-19
2,4-DB			<0.00010		mg/L		0.0001	16-FEB-19
2,4-DP			<0.00010		mg/L		0.0001	16-FEB-19
Dinoseb			<0.00010		mg/L		0.0001	16-FEB-19
MCPB			<0.00010		mg/L		0.0001	16-FEB-19
Surrogate: 2,4-Dichlorophenylacetic Acid			103.0		%		50-150	16-FEB-19
WG2989053-4	MS	L2231819-1						
Clopyralid			97.4		%		50-150	16-FEB-19
Dicamba			104.4		%		50-150	16-FEB-19
Mecoprop			134.0		%		50-150	16-FEB-19
MCPA			99.8		%		50-150	16-FEB-19
2,4-D			104.0		%		50-150	16-FEB-19
Bromoxynil			77.5		%		50-150	16-FEB-19
Triclopyr			124.0		%		50-150	16-FEB-19
2,4,5-T			96.0		%		50-150	16-FEB-19
2,4,5-TP			95.2		%		50-150	16-FEB-19
Picloram			96.1		%		50-150	16-FEB-19
2,4-DB			97.0		%		50-150	16-FEB-19
2,4-DP			124.0		%		50-150	16-FEB-19
Dinoseb			67.2		%		50-150	16-FEB-19
MCPB			95.7		%		50-150	16-FEB-19
HG-T-CVAA-CL								
	Water							
Batch	R4519428							
WG2993069-2	LCS							
Mercury (Hg)-Total			90.1		%		80-120	21-FEB-19
WG2993069-1	MB							



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HG-T-CVAA-CL Water								
Batch R4519428								
WG2993069-1 MB								
Mercury (Hg)-Total			<0.000005C		mg/L		0.000005	21-FEB-19
MET-DIS-ICP-CL Water								
Batch R4508207								
WG2989260-2 LCS TMRM								
Calcium (Ca)-Dissolved			97.4		%		80-120	14-FEB-19
Magnesium (Mg)-Dissolved			93.3		%		80-120	14-FEB-19
Potassium (K)-Dissolved			98.9		%		80-120	14-FEB-19
Sodium (Na)-Dissolved			99.3		%		80-120	14-FEB-19
WG2989260-1 MB								
Calcium (Ca)-Dissolved			<0.10		mg/L		0.1	14-FEB-19
Magnesium (Mg)-Dissolved			<0.10		mg/L		0.1	14-FEB-19
Potassium (K)-Dissolved			<0.50		mg/L		0.5	14-FEB-19
Sodium (Na)-Dissolved			<1.0		mg/L		1	14-FEB-19
MET-T-CCMS-CL Water								
Batch R4505107								
WG2988062-2 LCS TMRM								
Aluminum (Al)-Total			98.6		%		80-120	13-FEB-19
Antimony (Sb)-Total			106.8		%		80-120	13-FEB-19
Arsenic (As)-Total			95.4		%		80-120	13-FEB-19
Barium (Ba)-Total			100.8		%		80-120	13-FEB-19
Boron (B)-Total			97.6		%		80-120	13-FEB-19
Cadmium (Cd)-Total			96.1		%		80-120	13-FEB-19
Chromium (Cr)-Total			98.6		%		80-120	13-FEB-19
Copper (Cu)-Total			95.7		%		80-120	13-FEB-19
Lead (Pb)-Total			96.4		%		80-120	13-FEB-19
Nickel (Ni)-Total			96.3		%		80-120	13-FEB-19
Selenium (Se)-Total			90.7		%		80-120	13-FEB-19
Silver (Ag)-Total			96.9		%		80-120	13-FEB-19
Uranium (U)-Total			96.8		%		80-120	13-FEB-19
Zinc (Zn)-Total			94.0		%		80-120	13-FEB-19
WG2988062-1 MB								
Aluminum (Al)-Total			<0.0030		mg/L		0.003	13-FEB-19
Antimony (Sb)-Total			<0.00010		mg/L		0.0001	13-FEB-19
Arsenic (As)-Total			<0.00010		mg/L		0.0001	13-FEB-19



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MET-T-CCMS-CL								
	Water							
Batch	R4505107							
WG2988062-1	MB							
Barium (Ba)-Total			<0.00010		mg/L		0.0001	13-FEB-19
Boron (B)-Total			<0.010		mg/L		0.01	13-FEB-19
Cadmium (Cd)-Total			<0.0000050		mg/L		0.000005	13-FEB-19
Chromium (Cr)-Total			<0.00010		mg/L		0.0001	13-FEB-19
Copper (Cu)-Total			<0.00050		mg/L		0.0005	13-FEB-19
Lead (Pb)-Total			<0.000050		mg/L		0.00005	13-FEB-19
Nickel (Ni)-Total			<0.00050		mg/L		0.0005	13-FEB-19
Selenium (Se)-Total			<0.000050		mg/L		0.00005	13-FEB-19
Silver (Ag)-Total			<0.000010		mg/L		0.00001	13-FEB-19
Uranium (U)-Total			<0.000010		mg/L		0.00001	13-FEB-19
Zinc (Zn)-Total			<0.0030		mg/L		0.003	13-FEB-19
MET-TOT-ICP-CL								
	Water							
Batch	R4508207							
WG2988062-2	LCS	TMRM						
Calcium (Ca)-Total			93.5		%		80-120	14-FEB-19
Iron (Fe)-Total			94.6		%		80-120	14-FEB-19
Magnesium (Mg)-Total			102.5		%		80-120	14-FEB-19
Manganese (Mn)-Total			94.3		%		80-120	14-FEB-19
Potassium (K)-Total			98.7		%		80-120	14-FEB-19
Sodium (Na)-Total			101.5		%		80-120	14-FEB-19
WG2988062-1	MB							
Calcium (Ca)-Total			<0.10		mg/L		0.1	14-FEB-19
Iron (Fe)-Total			<0.030		mg/L		0.03	14-FEB-19
Magnesium (Mg)-Total			<0.10		mg/L		0.1	14-FEB-19
Manganese (Mn)-Total			<0.0050		mg/L		0.005	14-FEB-19
Potassium (K)-Total			<0.50		mg/L		0.5	14-FEB-19
Sodium (Na)-Total			<1.0		mg/L		1	14-FEB-19
WG2988062-4	MS	L2231819-1						
Calcium (Ca)-Total			99.0		%		70-130	14-FEB-19
Iron (Fe)-Total			96.9		%		70-130	14-FEB-19
Magnesium (Mg)-Total			101.4		%		70-130	14-FEB-19
Sodium (Na)-Total			99.0		%		70-130	14-FEB-19
MICROCYSTIN-WP	Water							



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MICROCYSTIN-WP								
Batch	R4511345							
WG2990297-2	LCS							
Microcystin			87.7		%		70-130	16-FEB-19
WG2990297-1	MB							
Microcystin			<0.20		ug/L		0.2	16-FEB-19
MISCSCR-WT								
Batch	R4516291							
WG2988969-2	LCS							
Trifluralin			90.9		%		60-130	19-FEB-19
Triallate			98.2		%		60-130	19-FEB-19
Fluazifop-p-butyl			117.9		%		50-150	19-FEB-19
Diclofop-methyl			115.3		%		60-140	19-FEB-19
Ethalfuralin			90.4		%		50-150	19-FEB-19
WG2988969-1	MB							
Trifluralin			<0.00010		mg/L		0.0001	19-FEB-19
Triallate			<0.00010		mg/L		0.0001	19-FEB-19
Fluazifop-p-butyl			<0.00010		mg/L		0.0001	19-FEB-19
Diclofop-methyl			<0.00010		mg/L		0.0001	19-FEB-19
Ethalfuralin			<0.00010		mg/L		0.0001	19-FEB-19
Surrogate: D14-Terphenyl			77.1		%		40-130	19-FEB-19
MTBE-CL								
Batch	R4517969							
WG2991973-3	LCS							
Methyl tert-butyl ether			104.4		%		70-130	14-FEB-19
WG2991973-4	LCS							
Methyl tert-butyl ether			102.1		%		70-130	15-FEB-19
WG2991973-1	MB							
Methyl tert-butyl ether			<0.0050		mg/L		0.005	14-FEB-19
WG2991973-2	MB							
Methyl tert-butyl ether			<0.0050		mg/L		0.005	15-FEB-19
WG2991973-5	MS	L2231819-1						
Methyl tert-butyl ether			102.8		%		50-150	14-FEB-19
NDMA-IHM-HRMS-BU								
Batch	R4551592							
WG2989599-2	LCS							
N-Nitrosodimethylamine			96.0		%		60-135	05-MAR-19
WG2989599-1	MB							
N-Nitrosodimethylamine			<0.50	M,U	ng/L		2	05-MAR-19

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NDMA-IHM-HRMS-BU Water									
Batch	R4551592								
WG2989599-1	MB								
Surrogate: N-Nitrosodimethylamine (Surr.)			60.0		%		13-109	05-MAR-19	
NH3-F-CL Water									
Batch	R4519348								
WG2992751-2	LCS								
Ammonia, Total (as N)			98.1		%		85-115	20-FEB-19	
WG2992751-1	MB								
Ammonia, Total (as N)			<0.050		mg/L		0.05	20-FEB-19	
NO2-IC-N-CL Water									
Batch	R4507649								
WG2989161-2	LCS								
Nitrite (as N)			108.1		%		90-110	13-FEB-19	
WG2989161-1	MB								
Nitrite (as N)			<0.010		mg/L		0.01	13-FEB-19	
NO3-IC-N-CL Water									
Batch	R4507649								
WG2989161-2	LCS								
Nitrate (as N)			102.4		%		90-110	13-FEB-19	
WG2989161-1	MB								
Nitrate (as N)			<0.020		mg/L		0.02	13-FEB-19	
NTA-WT Water									
Batch	R4511870								
WG2990577-3	DUP	L2231819-1							
Nitrilotriacetic Acid (NTA)			<0.20	<0.20	RPD-NA	mg/L	N/A	25	17-FEB-19
WG2990577-2	LCS								
Nitrilotriacetic Acid (NTA)			96.1		%		75-125	17-FEB-19	
WG2990577-1	MB								
Nitrilotriacetic Acid (NTA)			<0.20		mg/L		0.2	17-FEB-19	
WG2990577-4	MS	L2231819-1							
Nitrilotriacetic Acid (NTA)			89.0		%		50-150	17-FEB-19	
PARAQUAT-WT Water									
Batch	R4512573								
WG2988875-2	LCS								
Paraquat			104.4		%		70-130	15-FEB-19	
WG2988875-1	MB								
Paraquat			<1.0		ug/L		1	16-FEB-19	



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PEST-MISC-WT		Water						
Batch	R4516291							
WG2988969-2	LCS							
Alachlor			101.5		%		60-130	19-FEB-19
Ametryn			96.8		%		60-130	19-FEB-19
Atrazine			83.9		%		60-130	19-FEB-19
Atrazine Desethyl			63.6		%		50-130	19-FEB-19
Azinphos-methyl			119.6		%		60-140	19-FEB-19
Bendiocarb			114.8		%		50-140	19-FEB-19
Benzo(a)pyrene			83.9		%		60-130	19-FEB-19
Carbaryl			116.5		%		50-140	19-FEB-19
Carbofuran			121.9		%		60-140	19-FEB-19
Chlorpyrifos			97.4		%		60-130	19-FEB-19
Cyanazine			117.5		%		60-140	19-FEB-19
Diazinon			83.7		%		60-130	19-FEB-19
Diclofop-methyl			115.3		%		60-140	19-FEB-19
Dimethoate			85.9		%		60-130	19-FEB-19
Malathion			91.1		%		60-130	19-FEB-19
Methyl Parathion			73.7		%		60-130	19-FEB-19
Metolachlor			106.4		%		60-130	19-FEB-19
Metribuzin			90.0		%		60-130	19-FEB-19
Parathion			110.4		%		60-140	19-FEB-19
Phorate			84.4		%		30-140	19-FEB-19
Prometon			91.8		%		60-130	19-FEB-19
Prometryne			98.2		%		60-130	19-FEB-19
Propazine			94.0		%		60-130	19-FEB-19
Simazine			93.7		%		60-130	19-FEB-19
Temephos			126.3		%		50-150	19-FEB-19
Terbufos			75.8		%		60-130	19-FEB-19
Terbutryn			97.9		%		60-130	19-FEB-19
Triallate			98.2		%		60-130	19-FEB-19
Trifluralin			90.9		%		60-130	19-FEB-19
WG2988969-1	MB							
Alachlor			<0.10		ug/L		0.1	19-FEB-19
Ametryn			<0.10		ug/L		0.1	19-FEB-19
Atrazine			<0.10		ug/L		0.1	19-FEB-19
Atrazine Desethyl			<0.10		ug/L		0.1	19-FEB-19



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PEST-MISC-WT		Water						
Batch	R4516291							
WG2988969-1	MB							
Azinphos-methyl			<0.10		ug/L		0.1	19-FEB-19
Bendiocarb			<0.50		ug/L		0.5	19-FEB-19
Benzo(a)pyrene			<0.010		ug/L		0.01	19-FEB-19
Carbaryl			<0.50		ug/L		0.5	19-FEB-19
Carbofuran			<0.50		ug/L		0.5	19-FEB-19
Chlorpyrifos			<0.10		ug/L		0.1	19-FEB-19
Cyanazine			<0.10		ug/L		0.1	19-FEB-19
Diazinon			<0.10		ug/L		0.1	19-FEB-19
Diclofop-methyl			<0.10		ug/L		0.1	19-FEB-19
Dimethoate			<0.10		ug/L		0.1	19-FEB-19
Malathion			<0.10		ug/L		0.1	19-FEB-19
Methyl Parathion			<0.10		ug/L		0.1	19-FEB-19
Metolachlor			<0.10		ug/L		0.1	19-FEB-19
Metribuzin			<1.0		ug/L		1	19-FEB-19
Parathion			<0.10		ug/L		0.1	19-FEB-19
Phorate			<0.10		ug/L		0.1	19-FEB-19
Prometon			<0.10		ug/L		0.1	19-FEB-19
Prometryne			<0.10		ug/L		0.1	19-FEB-19
Propazine			<0.10		ug/L		0.1	19-FEB-19
Simazine			<0.10		ug/L		0.1	19-FEB-19
Temephos			<1.0		ug/L		1	19-FEB-19
Terbufos			<0.10		ug/L		0.1	19-FEB-19
Terbutryn			<0.10		ug/L		0.1	19-FEB-19
Triallate			<0.10		ug/L		0.1	19-FEB-19
Trifluralin			<0.10		ug/L		0.1	19-FEB-19
Surrogate: 2-Fluorobiphenyl			74.2		%		40-130	19-FEB-19
Surrogate: d14-Terphenyl			77.1		%		40-130	19-FEB-19
PEST-OC-WT		Water						
Batch	R4517951							
WG2988969-2	LCS							
Methoxychlor			73.6		%		50-150	20-FEB-19
WG2988969-1	MB							
Methoxychlor			<0.10		ug/L		0.1	19-FEB-19
PH/EC/ALK-CL		Water						

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PH/EC/ALK-CL		Water						
Batch	R4516887							
WG2992091-9	DUP	L2231819-1						
pH		8.20	8.20	J	pH	0.00	0.2	20-FEB-19
Conductivity (EC)		370	371		uS/cm	0.3	10	20-FEB-19
Bicarbonate (HCO3)		168	170		mg/L	1.2	20	20-FEB-19
Carbonate (CO3)		<5.0	<5.0	RPD-NA	mg/L	N/A	20	20-FEB-19
Hydroxide (OH)		<5.0	<5.0	RPD-NA	mg/L	N/A	20	20-FEB-19
Alkalinity, Total (as CaCO3)		138	139		mg/L	1.2	20	20-FEB-19
WG2992091-8	LCS							
Conductivity (EC)			101.0		%		90-110	20-FEB-19
Alkalinity, Total (as CaCO3)			100.1		%		85-115	20-FEB-19
WG2992091-7	MB							
Conductivity (EC)			<2.0		uS/cm		2	20-FEB-19
Bicarbonate (HCO3)			<5.0		mg/L		5	20-FEB-19
Carbonate (CO3)			<5.0		mg/L		5	20-FEB-19
Hydroxide (OH)			<5.0		mg/L		5	20-FEB-19
Alkalinity, Total (as CaCO3)			<5.0		mg/L		5	20-FEB-19
PHN-ABT1-ED		Water						
Batch	R4527168							
WG2993502-2	LCS							
2,4,6-Trichlorophenol			91.6		%		50-130	25-FEB-19
2,4 & 2,5-Dichlorophenol			96.6		%		50-130	25-FEB-19
2,3,4,6-Tetrachlorophenol			92.7		%		60-130	25-FEB-19
Pentachlorophenol			97.0		%		60-130	25-FEB-19
Phenol			88.6		%		30-130	25-FEB-19
WG2993502-1	MB							
2,4,6-Trichlorophenol			<0.00010		mg/L		0.0001	25-FEB-19
2,4 & 2,5-Dichlorophenol			<0.00010		mg/L		0.0001	25-FEB-19
2,3,4,6-Tetrachlorophenol			<0.00010		mg/L		0.0001	25-FEB-19
Pentachlorophenol			<0.00010		mg/L		0.0001	25-FEB-19
Phenol			<0.00050		mg/L		0.0005	25-FEB-19
Surrogate: 2-Fluorophenol			117.2		%		20-130	25-FEB-19
Surrogate: Phenol d5			115.5		%		30-130	25-FEB-19
Surrogate: 2,4,6-Tribromophenol			99.8		%		40-130	25-FEB-19

SO4-IC-N-CL **Water**

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SO4-IC-N-CL	Water							
Batch	R4507649							
WG2989161-2	LCS							
Sulfate (SO4)			101.8		%		90-110	13-FEB-19
WG2989161-1	MB							
Sulfate (SO4)			<0.30		mg/L		0.3	13-FEB-19
SULPHIDE-CFA-ED	Water							
Batch	R4509457							
WG2989058-2	LCS							
Sulphide (as S)			95.7		%		75-125	14-FEB-19
WG2989058-1	MB							
Sulphide (as S)			<0.0015		mg/L		0.0015	14-FEB-19
THM-PT-MS-CL	Water							
Batch	R4517969							
WG2991973-3	LCS							
Chloroform			102.1		%		70-130	14-FEB-19
Bromodichloromethane			96.5		%		70-130	14-FEB-19
Dibromochloromethane			96.7		%		70-130	14-FEB-19
Bromoform			85.9		%		70-130	14-FEB-19
WG2991973-4	LCS							
Chloroform			98.6		%		70-130	15-FEB-19
Bromodichloromethane			92.9		%		70-130	15-FEB-19
Dibromochloromethane			91.9		%		70-130	15-FEB-19
Bromoform			83.6		%		70-130	15-FEB-19
WG2991973-1	MB							
Chloroform			<0.0010		mg/L		0.001	14-FEB-19
Bromodichloromethane			<0.0010		mg/L		0.001	14-FEB-19
Dibromochloromethane			<0.0010		mg/L		0.001	14-FEB-19
Bromoform			<0.0050		mg/L		0.005	14-FEB-19
WG2991973-2	MB							
Chloroform			<0.0010		mg/L		0.001	15-FEB-19
Bromodichloromethane			<0.0010		mg/L		0.001	15-FEB-19
Dibromochloromethane			<0.0010		mg/L		0.001	15-FEB-19
Bromoform			<0.0050		mg/L		0.005	15-FEB-19
WG2991973-5	MS	L2231819-1						
Chloroform			98.4		%		50-140	14-FEB-19
Bromodichloromethane			101.1		%		50-140	14-FEB-19
Dibromochloromethane			105.1		%		50-140	14-FEB-19
Bromoform			97.0		%		50-140	14-FEB-19

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-8260-CL	Water							
Batch	R4517969							
WG2991973-3	LCS							
Dichlorodifluoromethane			89.4		%		60-140	14-FEB-19
Chloromethane			79.0		%		60-140	14-FEB-19
Vinyl chloride			81.7		%		60-140	14-FEB-19
Bromomethane			88.6		%		60-140	14-FEB-19
Chloroethane			109.8		%		60-140	14-FEB-19
Trichlorofluoromethane			99.9		%		60-140	14-FEB-19
1,1-Dichloroethene			95.4		%		70-130	14-FEB-19
Methylene chloride			98.5		%		60-140	14-FEB-19
trans-1,2-Dichloroethene			93.9		%		70-130	14-FEB-19
1,1-Dichloroethane			103.3		%		70-130	14-FEB-19
2,2-Dichloropropane			99.1		%		70-130	14-FEB-19
cis-1,2-Dichloroethene			99.1		%		70-130	14-FEB-19
Chloroform			102.1		%		70-130	14-FEB-19
Bromochloromethane			95.7		%		70-130	14-FEB-19
1,2-Dichloroethane			98.8		%		70-130	14-FEB-19
1,1,1-Trichloroethane			97.5		%		70-130	14-FEB-19
1,1-Dichloropropene			92.4		%		70-130	14-FEB-19
Carbon tetrachloride			93.7		%		70-130	14-FEB-19
Benzene			96.7		%		70-130	14-FEB-19
Trichloroethene			92.6		%		70-130	14-FEB-19
1,2-Dichloropropane			103.2		%		70-130	14-FEB-19
Bromodichloromethane			96.5		%		70-130	14-FEB-19
Dibromomethane			92.6		%		70-130	14-FEB-19
cis-1,3-Dichloropropene			90.7		%		70-130	14-FEB-19
trans-1,3-Dichloropropene			90.2		%		70-130	14-FEB-19
Toluene			90.6		%		70-130	14-FEB-19
1,1,2-Trichloroethane			102.0		%		70-130	14-FEB-19
1,3-Dichloropropane			100.2		%		70-130	14-FEB-19
Tetrachloroethene			93.5		%		70-130	14-FEB-19
Dibromochloromethane			96.7		%		70-130	14-FEB-19
1,2-Dibromoethane			99.2		%		70-130	14-FEB-19
Chlorobenzene			92.9		%		70-130	14-FEB-19
Ethylbenzene			93.6		%		70-130	14-FEB-19
1,1,1,2-Tetrachloroethane			103.6		%		70-130	14-FEB-19

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-8260-CL		Water						
Batch	R4517969							
WG2991973-3	LCS							
m+p-Xylenes			95.7		%		70-130	14-FEB-19
o-Xylene			84.9		%		70-130	14-FEB-19
Styrene			75.5		%		70-130	14-FEB-19
Bromoform			85.9		%		70-130	14-FEB-19
Isopropylbenzene			95.4		%		70-130	14-FEB-19
1,1,2,2-Tetrachloroethane			95.3		%		70-130	14-FEB-19
1,2,3-Trichloropropane			93.6		%		70-130	14-FEB-19
n-Propylbenzene			91.4		%		70-130	14-FEB-19
Bromobenzene			88.1		%		70-130	14-FEB-19
1,3,5-Trimethylbenzene			88.2		%		70-130	14-FEB-19
2-Chlorotoluene			97.4		%		70-130	14-FEB-19
4-Chlorotoluene			93.3		%		70-130	14-FEB-19
tert-Butylbenzene			97.5		%		70-130	14-FEB-19
1,2,4-Trimethylbenzene			89.6		%		70-130	14-FEB-19
sec-Butylbenzene			86.8		%		70-130	14-FEB-19
p-Isopropyltoluene			91.9		%		50-150	14-FEB-19
1,3-Dichlorobenzene			87.7		%		70-130	14-FEB-19
1,4-Dichlorobenzene			88.3		%		70-130	14-FEB-19
n-Butylbenzene			83.5		%		70-130	14-FEB-19
1,2-Dichlorobenzene			86.2		%		70-130	14-FEB-19
1,2-Dibromo-3-chloropropane			96.0		%		70-130	14-FEB-19
1,2,4-Trichlorobenzene			89.9		%		70-130	14-FEB-19
Hexachlorobutadiene			87.0		%		70-130	14-FEB-19
1,2,3-Trichlorobenzene			90.2		%		70-130	14-FEB-19
WG2991973-4	LCS							
Dichlorodifluoromethane			87.0		%		60-140	15-FEB-19
Chloromethane			73.9		%		60-140	15-FEB-19
Vinyl chloride			74.9		%		60-140	15-FEB-19
Bromomethane			81.6		%		60-140	15-FEB-19
Chloroethane			103.1		%		60-140	15-FEB-19
Trichlorofluoromethane			97.0		%		60-140	15-FEB-19
1,1-Dichloroethene			92.4		%		70-130	15-FEB-19
Methylene chloride			94.8		%		60-140	15-FEB-19
trans-1,2-Dichloroethene			86.7		%		70-130	15-FEB-19

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-8260-CL	Water							
Batch	R4517969							
WG2991973-4	LCS							
1,1-Dichloroethane			100.4		%		70-130	15-FEB-19
2,2-Dichloropropane			71.8		%		70-130	15-FEB-19
cis-1,2-Dichloroethene			92.9		%		70-130	15-FEB-19
Chloroform			98.6		%		70-130	15-FEB-19
Bromochloromethane			91.2		%		70-130	15-FEB-19
1,2-Dichloroethane			92.7		%		70-130	15-FEB-19
1,1,1-Trichloroethane			94.9		%		70-130	15-FEB-19
1,1-Dichloropropene			84.4		%		70-130	15-FEB-19
Carbon tetrachloride			92.6		%		70-130	15-FEB-19
Benzene			91.2		%		70-130	15-FEB-19
Trichloroethene			86.2		%		70-130	15-FEB-19
1,2-Dichloropropane			95.8		%		70-130	15-FEB-19
Bromodichloromethane			92.9		%		70-130	15-FEB-19
Dibromomethane			84.8		%		70-130	15-FEB-19
cis-1,3-Dichloropropene			75.2		%		70-130	15-FEB-19
trans-1,3-Dichloropropene			74.0		%		70-130	15-FEB-19
Toluene			80.2		%		70-130	15-FEB-19
1,1,2-Trichloroethane			95.5		%		70-130	15-FEB-19
1,3-Dichloropropane			91.0		%		70-130	15-FEB-19
Tetrachloroethene			88.6		%		70-130	15-FEB-19
Dibromochloromethane			91.9		%		70-130	15-FEB-19
1,2-Dibromoethane			89.9		%		70-130	15-FEB-19
Chlorobenzene			91.0		%		70-130	15-FEB-19
Ethylbenzene			88.6		%		70-130	15-FEB-19
1,1,1,2-Tetrachloroethane			104.2		%		70-130	15-FEB-19
m+p-Xylenes			91.8		%		70-130	15-FEB-19
o-Xylene			78.4		%		70-130	15-FEB-19
Styrene			73.2		%		70-130	15-FEB-19
Bromoform			83.6		%		70-130	15-FEB-19
Isopropylbenzene			91.5		%		70-130	15-FEB-19
1,1,2,2-Tetrachloroethane			90.0		%		70-130	15-FEB-19
1,2,3-Trichloropropane			83.8		%		70-130	15-FEB-19
n-Propylbenzene			84.0		%		70-130	15-FEB-19
Bromobenzene			84.0		%		70-130	15-FEB-19

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-8260-CL		Water						
Batch	R4517969							
WG2991973-4	LCS							
1,3,5-Trimethylbenzene			79.5		%		70-130	15-FEB-19
2-Chlorotoluene			91.9		%		70-130	15-FEB-19
4-Chlorotoluene			86.9		%		70-130	15-FEB-19
tert-Butylbenzene			91.9		%		70-130	15-FEB-19
1,2,4-Trimethylbenzene			81.2		%		70-130	15-FEB-19
sec-Butylbenzene			81.6		%		70-130	15-FEB-19
p-Isopropyltoluene			82.6		%		50-150	15-FEB-19
1,3-Dichlorobenzene			80.8		%		70-130	15-FEB-19
1,4-Dichlorobenzene			81.1		%		70-130	15-FEB-19
n-Butylbenzene			74.0		%		70-130	15-FEB-19
1,2-Dichlorobenzene			76.2		%		70-130	15-FEB-19
1,2-Dibromo-3-chloropropane			80.7		%		70-130	15-FEB-19
1,2,4-Trichlorobenzene			76.4		%		70-130	15-FEB-19
Hexachlorobutadiene			79.3		%		70-130	15-FEB-19
1,2,3-Trichlorobenzene			76.0		%		70-130	15-FEB-19
WG2991973-1	MB							
Dichlorodifluoromethane			<0.0010		mg/L		0.001	14-FEB-19
Chloromethane			<0.010		mg/L		0.01	14-FEB-19
Vinyl chloride			<0.00050		mg/L		0.0005	14-FEB-19
Bromomethane			<0.010		mg/L		0.01	14-FEB-19
Chloroethane			<0.010		mg/L		0.01	14-FEB-19
Trichlorofluoromethane			<0.0010		mg/L		0.001	14-FEB-19
1,1-Dichloroethene			<0.0010		mg/L		0.001	14-FEB-19
Methylene chloride			<0.0010		mg/L		0.001	14-FEB-19
trans-1,2-Dichloroethene			<0.0010		mg/L		0.001	14-FEB-19
1,1-Dichloroethane			<0.0010		mg/L		0.001	14-FEB-19
2,2-Dichloropropane			<0.0010		mg/L		0.001	14-FEB-19
cis-1,2-Dichloroethene			<0.0010		mg/L		0.001	14-FEB-19
Chloroform			<0.0010		mg/L		0.001	14-FEB-19
Bromochloromethane			<0.0010		mg/L		0.001	14-FEB-19
1,2-Dichloroethane			<0.0010		mg/L		0.001	14-FEB-19
1,1,1-Trichloroethane			<0.0010		mg/L		0.001	14-FEB-19
1,1-Dichloropropene			<0.0010		mg/L		0.001	14-FEB-19
Carbon tetrachloride			<0.0010		mg/L		0.001	14-FEB-19

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-8260-CL	Water							
Batch	R4517969							
WG2991973-1	MB							
Benzene			<0.0010		mg/L		0.001	14-FEB-19
Trichloroethene			<0.0010		mg/L		0.001	14-FEB-19
1,2-Dichloropropane			<0.0010		mg/L		0.001	14-FEB-19
Bromodichloromethane			<0.0010		mg/L		0.001	14-FEB-19
Dibromomethane			<0.0010		mg/L		0.001	14-FEB-19
cis-1,3-Dichloropropene			<0.0010		mg/L		0.001	14-FEB-19
trans-1,3-Dichloropropene			<0.0010		mg/L		0.001	14-FEB-19
Toluene			<0.0010		mg/L		0.001	14-FEB-19
1,1,2-Trichloroethane			<0.0010		mg/L		0.001	14-FEB-19
1,3-Dichloropropane			<0.0010		mg/L		0.001	14-FEB-19
Tetrachloroethene			<0.0010		mg/L		0.001	14-FEB-19
Dibromochloromethane			<0.0010		mg/L		0.001	14-FEB-19
1,2-Dibromoethane			<0.0010		mg/L		0.001	14-FEB-19
Chlorobenzene			<0.0010		mg/L		0.001	14-FEB-19
Ethylbenzene			<0.0010		mg/L		0.001	14-FEB-19
1,1,1,2-Tetrachloroethane			<0.0010		mg/L		0.001	14-FEB-19
m+p-Xylenes			<0.0010		mg/L		0.001	14-FEB-19
o-Xylene			<0.0010		mg/L		0.001	14-FEB-19
Styrene			<0.0010		mg/L		0.001	14-FEB-19
Bromoform			<0.0010		mg/L		0.001	14-FEB-19
Isopropylbenzene			<0.0010		mg/L		0.001	14-FEB-19
1,1,2,2-Tetrachloroethane			<0.0050		mg/L		0.005	14-FEB-19
1,2,3-Trichloropropane			<0.0020		mg/L		0.002	14-FEB-19
n-Propylbenzene			<0.0010		mg/L		0.001	14-FEB-19
Bromobenzene			<0.0010		mg/L		0.001	14-FEB-19
1,3,5-Trimethylbenzene			<0.0010		mg/L		0.001	14-FEB-19
2-Chlorotoluene			<0.0010		mg/L		0.001	14-FEB-19
4-Chlorotoluene			<0.0010		mg/L		0.001	14-FEB-19
tert-Butylbenzene			<0.0010		mg/L		0.001	14-FEB-19
1,2,4-Trimethylbenzene			<0.0010		mg/L		0.001	14-FEB-19
sec-Butylbenzene			<0.0010		mg/L		0.001	14-FEB-19
p-Isopropyltoluene			<0.0010		mg/L		0.001	14-FEB-19
1,3-Dichlorobenzene			<0.0010		mg/L		0.001	14-FEB-19
1,4-Dichlorobenzene			<0.0010		mg/L		0.001	14-FEB-19

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-8260-CL		Water						
Batch	R4517969							
WG2991973-1 MB								
n-Butylbenzene			<0.0010		mg/L		0.001	14-FEB-19
1,2-Dichlorobenzene			<0.0010		mg/L		0.001	14-FEB-19
1,2-Dibromo-3-chloropropane			<0.0010		mg/L		0.001	14-FEB-19
1,2,4-Trichlorobenzene			<0.0010		mg/L		0.001	14-FEB-19
Hexachlorobutadiene			<0.0010		mg/L		0.001	14-FEB-19
1,2,3-Trichlorobenzene			<0.0010		mg/L		0.001	14-FEB-19
Surrogate: 1,4-Difluorobenzene			92.1		%		70-130	14-FEB-19
Surrogate: 4-Bromofluorobenzene			80.3		%		70-130	14-FEB-19
Surrogate: 3,4-Dichlorotoluene			93.4		%		70-130	14-FEB-19
WG2991973-2 MB								
Dichlorodifluoromethane			<0.0010		mg/L		0.001	15-FEB-19
Chloromethane			<0.010		mg/L		0.01	15-FEB-19
Vinyl chloride			<0.00050		mg/L		0.0005	15-FEB-19
Bromomethane			<0.010		mg/L		0.01	15-FEB-19
Chloroethane			<0.010		mg/L		0.01	15-FEB-19
Trichlorofluoromethane			<0.0010		mg/L		0.001	15-FEB-19
1,1-Dichloroethene			<0.0010		mg/L		0.001	15-FEB-19
Methylene chloride			<0.0010		mg/L		0.001	15-FEB-19
trans-1,2-Dichloroethene			<0.0010		mg/L		0.001	15-FEB-19
1,1-Dichloroethane			<0.0010		mg/L		0.001	15-FEB-19
2,2-Dichloropropane			<0.0010		mg/L		0.001	15-FEB-19
cis-1,2-Dichloroethene			<0.0010		mg/L		0.001	15-FEB-19
Chloroform			<0.0010		mg/L		0.001	15-FEB-19
Bromochloromethane			<0.0010		mg/L		0.001	15-FEB-19
1,2-Dichloroethane			<0.0010		mg/L		0.001	15-FEB-19
1,1,1-Trichloroethane			<0.0010		mg/L		0.001	15-FEB-19
1,1-Dichloropropene			<0.0010		mg/L		0.001	15-FEB-19
Carbon tetrachloride			<0.0010		mg/L		0.001	15-FEB-19
Benzene			<0.0010		mg/L		0.001	15-FEB-19
Trichloroethene			<0.0010		mg/L		0.001	15-FEB-19
1,2-Dichloropropane			<0.0010		mg/L		0.001	15-FEB-19
Bromodichloromethane			<0.0010		mg/L		0.001	15-FEB-19
Dibromomethane			<0.0010		mg/L		0.001	15-FEB-19
cis-1,3-Dichloropropene			<0.0010		mg/L		0.001	15-FEB-19



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-8260-CL		Water						
Batch	R4517969							
WG2991973-2	MB							
trans-1,3-Dichloropropene			<0.0010		mg/L		0.001	15-FEB-19
Toluene			<0.0010		mg/L		0.001	15-FEB-19
1,1,2-Trichloroethane			<0.0010		mg/L		0.001	15-FEB-19
1,3-Dichloropropane			<0.0010		mg/L		0.001	15-FEB-19
Tetrachloroethene			<0.0010		mg/L		0.001	15-FEB-19
Dibromochloromethane			<0.0010		mg/L		0.001	15-FEB-19
1,2-Dibromoethane			<0.0010		mg/L		0.001	15-FEB-19
Chlorobenzene			<0.0010		mg/L		0.001	15-FEB-19
Ethylbenzene			<0.0010		mg/L		0.001	15-FEB-19
1,1,1,2-Tetrachloroethane			<0.0010		mg/L		0.001	15-FEB-19
m+p-Xylenes			<0.0010		mg/L		0.001	15-FEB-19
o-Xylene			<0.0010		mg/L		0.001	15-FEB-19
Styrene			<0.0010		mg/L		0.001	15-FEB-19
Bromoform			<0.0010		mg/L		0.001	15-FEB-19
Isopropylbenzene			<0.0010		mg/L		0.001	15-FEB-19
1,1,2,2-Tetrachloroethane			<0.0050		mg/L		0.005	15-FEB-19
1,2,3-Trichloropropane			<0.0020		mg/L		0.002	15-FEB-19
n-Propylbenzene			<0.0010		mg/L		0.001	15-FEB-19
Bromobenzene			<0.0010		mg/L		0.001	15-FEB-19
1,3,5-Trimethylbenzene			<0.0010		mg/L		0.001	15-FEB-19
2-Chlorotoluene			<0.0010		mg/L		0.001	15-FEB-19
4-Chlorotoluene			<0.0010		mg/L		0.001	15-FEB-19
tert-Butylbenzene			<0.0010		mg/L		0.001	15-FEB-19
1,2,4-Trimethylbenzene			<0.0010		mg/L		0.001	15-FEB-19
sec-Butylbenzene			<0.0010		mg/L		0.001	15-FEB-19
p-Isopropyltoluene			<0.0010		mg/L		0.001	15-FEB-19
1,3-Dichlorobenzene			<0.0010		mg/L		0.001	15-FEB-19
1,4-Dichlorobenzene			<0.0010		mg/L		0.001	15-FEB-19
n-Butylbenzene			<0.0010		mg/L		0.001	15-FEB-19
1,2-Dichlorobenzene			<0.0010		mg/L		0.001	15-FEB-19
1,2-Dibromo-3-chloropropane			<0.0010		mg/L		0.001	15-FEB-19
1,2,4-Trichlorobenzene			<0.0010		mg/L		0.001	15-FEB-19
Hexachlorobutadiene			<0.0010		mg/L		0.001	15-FEB-19
1,2,3-Trichlorobenzene			<0.0010		mg/L		0.001	15-FEB-19

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-8260-CL	Water							
Batch	R4517969							
WG2991973-2 MB								
Surrogate: 1,4-Difluorobenzene			92.5		%		70-130	15-FEB-19
Surrogate: 4-Bromofluorobenzene			83.7		%		70-130	15-FEB-19
Surrogate: 3,4-Dichlorotoluene			106.0		%		70-130	15-FEB-19
WG2991973-5 MS		L2231819-1						
Dichlorodifluoromethane			75.8		%		50-140	14-FEB-19
Chloromethane			71.3		%		50-140	14-FEB-19
Vinyl chloride			71.4		%		50-140	14-FEB-19
Bromomethane			84.6		%		50-140	14-FEB-19
Chloroethane			100.5		%		50-140	14-FEB-19
Trichlorofluoromethane			87.5		%		50-140	14-FEB-19
1,1-Dichloroethene			84.7		%		50-140	14-FEB-19
Methylene chloride			97.7		%		50-140	14-FEB-19
trans-1,2-Dichloroethene			84.9		%		50-140	14-FEB-19
1,1-Dichloroethane			98.1		%		50-140	14-FEB-19
2,2-Dichloropropane			97.9		%		50-150	14-FEB-19
cis-1,2-Dichloroethene			96.9		%		50-140	14-FEB-19
Chloroform			98.4		%		50-140	14-FEB-19
Bromochloromethane			99.1		%		50-150	14-FEB-19
1,2-Dichloroethane			125.2		%		50-140	14-FEB-19
1,1,1-Trichloroethane			89.8		%		50-140	14-FEB-19
1,1-Dichloropropene			83.8		%		50-150	14-FEB-19
Carbon tetrachloride			84.8		%		50-140	14-FEB-19
Benzene			92.4		%		50-140	14-FEB-19
Trichloroethene			86.9		%		50-140	14-FEB-19
1,2-Dichloropropane			104.2		%		50-140	14-FEB-19
Bromodichloromethane			101.1		%		50-140	14-FEB-19
Dibromomethane			99.7		%		50-140	14-FEB-19
cis-1,3-Dichloropropene			97.1		%		50-140	14-FEB-19
trans-1,3-Dichloropropene			101.3		%		50-140	14-FEB-19
Toluene			87.3		%		50-140	14-FEB-19
1,1,2-Trichloroethane			111.1		%		50-140	14-FEB-19
1,3-Dichloropropane			109.0		%		50-150	14-FEB-19
Tetrachloroethene			84.6		%		50-140	14-FEB-19
Dibromochloromethane			105.1		%		50-140	14-FEB-19



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-8260-CL	Water							
Batch	R4517969							
WG2991973-5 MS		L2231819-1						
1,2-Dibromoethane			106.2		%		50-140	14-FEB-19
Chlorobenzene			91.1		%		50-140	14-FEB-19
Ethylbenzene			88.7		%		50-140	14-FEB-19
1,1,1,2-Tetrachloroethane			103.8		%		50-150	14-FEB-19
m+p-Xylenes			89.8		%		50-140	14-FEB-19
o-Xylene			88.1		%		50-140	14-FEB-19
Styrene			N/A	K	%		-	14-FEB-19
Bromoform			97.0		%		50-140	14-FEB-19
Isopropylbenzene			78.2		%		50-150	14-FEB-19
1,1,1,2,2-Tetrachloroethane			112.6		%		50-140	14-FEB-19
1,2,3-Trichloropropane			110.0		%		70-130	14-FEB-19
n-Propylbenzene			85.2		%		50-150	14-FEB-19
Bromobenzene			89.8		%		50-150	14-FEB-19
1,3,5-Trimethylbenzene			N/A	K	%		-	14-FEB-19
2-Chlorotoluene			92.6		%		50-150	14-FEB-19
4-Chlorotoluene			89.5		%		50-150	14-FEB-19
tert-Butylbenzene			91.0		%		50-150	14-FEB-19
1,2,4-Trimethylbenzene			83.1		%		50-150	14-FEB-19
sec-Butylbenzene			79.6		%		50-150	14-FEB-19
p-Isopropyltoluene			86.6		%		50-150	14-FEB-19
1,3-Dichlorobenzene			89.5		%		50-140	14-FEB-19
1,4-Dichlorobenzene			89.4		%		50-140	14-FEB-19
n-Butylbenzene			77.7		%		50-150	14-FEB-19
1,2-Dichlorobenzene			92.5		%		50-140	14-FEB-19
1,2-Dibromo-3-chloropropane			106.6		%		50-150	14-FEB-19
1,2,4-Trichlorobenzene			90.1		%		50-150	14-FEB-19
Hexachlorobutadiene			83.0		%		50-150	14-FEB-19
1,2,3-Trichlorobenzene			90.9		%		50-150	14-FEB-19

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
K	Matrix Spike recovery outside ALS DQO due to sample matrix effects.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Inorganic Parameters							
Chlorine, Free	1	12-FEB-19 07:45	16-FEB-19 10:00	0.25	98	hours	EHTR-FM
Chlorine, Total	1	12-FEB-19 07:45	16-FEB-19 10:00	0.25	98	hours	EHTR-FM

Legend & Qualifier Definitions:

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended.
EHTR: Exceeded ALS recommended hold time prior to sample receipt.
EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.
EHT: Exceeded ALS recommended hold time prior to analysis.
Rec. HT: ALS recommended hold time (see units).

Notes*:

Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L2231819 were received on 12-FEB-19 16:10.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

