



CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

**PO Box 100
Annapolis Royal, NS B0S1A0
(902) 532-3141**

ATTENTION TO: James Jenner

PROJECT:

AGAT WORK ORDER: 21X780707

FOOD CHEMISTRY REVIEWED BY: Félix Brasseur, chimiste

MISCELLANEOUS ANALYSIS REVIEWED BY: Ashley Dussault, Report Writer

TRACE ORGANICS REVIEWED BY: Oksana Gushyla, Trace Organics Lab Supervisor

WATER ANALYSIS REVIEWED BY: Ashley Dussault, Report Writer

DATE REPORTED: Sep 01, 2021

PAGES (INCLUDING COVER): 28

VERSION*: 2

Should you require any information regarding this analysis please contact your client services representative at (902) 468-8718

***Notes**

VERSION 2:Partial

Disclaimer:

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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



Certificate of Analysis

AGAT WORK ORDER: 21X780707

PROJECT:

11 Morris Drive, Unit 122
 Dartmouth, Nova Scotia
 CANADA B3B 1M2
 TEL (902)468-8718
 FAX (902)468-8924
<http://www.agatlabs.com>

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Glyphosate (Montreal) (ug/L)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		G / S	RDL	G / S	RDL
Glyphosate	ug/L	15	<15	<15	<15

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard
 Analysis performed at AGAT Montréal (unless marked by *)

Certified By:



Félix Bressier



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CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Canadian Drinking Water MAC Package (Radiochemistry)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		SAMPLE TYPE: Water		Water	
		DATE SAMPLED: 2021-07-27		2021-07-27	
		G / S	RDL	2790901	2790918
Radionuclides - Gross Alpha*	Bq/L	0.5	0.1	Y	Y
Radionuclides - Gross Beta*	Bq/L	1.0	0.1	Y	Y

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2021-03
 Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

2790901-2790918 *Analysis performed at subcontracted laboratory.

Analysis performed at AGAT Halifax (unless marked by *)

Certified By:



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CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Canadian Drinking Water MAC Package (Subcontracted)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		SAMPLE TYPE: Water		Water	
		DATE SAMPLED: 2021-07-27		2021-07-27	
		G / S	RDL	2790901	2790918
Nitroacetic Acid (NTA)	mg/L	0.4	0.03	Y	Y

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2021-03
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2790901-2790918 *Analysis performed at subcontracted laboratory.

Analysis performed at AGAT Halifax (unless marked by *)

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CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Canadian Drinking Water MAC Package (HAAs, VOCs)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		SAMPLE TYPE: Water		Water	
		DATE SAMPLED: 2021-07-27		2021-07-27	
		G / S	RDL	2790901	2790918
Chloroacetic Acid	ug/L		0.5	<0.5	0.7
Bromoacetic Acid	ug/L		0.5	<0.5	<0.5
Dichloroacetic Acid	ug/L		0.5	<0.5	36.5
Trichloroacetic Acid	ug/L		0.5	<0.5	38.4
Bromochloroacetic Acid	ug/L		0.5	<0.5	3.3
Dibromoacetic Acid	ug/L		0.5	<0.5	<0.5
Haloacetic Acids	ug/L	80	4.0	<4.0	78.9
Vinyl Chloride	ug/L	2	0.6	<0.6	<0.6
Chloroethane	ug/L		5	<5	<5
1,1-Dichloroethylene	ug/L	14	2	<2	<2
Methylene Chloride (Dichloromethane)	ug/L	50	2	<2	<2
Methyl-t-Butyl-Ether (MTBE)	ug/L	15 AO	2	<2	<2
Chloroform	ug/L		1	<1	65
1,2-Dichloroethane	ug/L	5	2	<2	<2
Carbon Tetrachloride	ug/L	2	0.56	<0.56	<0.56
Benzene	ug/L	5	1	<1	<1
Trichloroethylene	ug/L	5	1	<1	<1
Bromodichloromethane	ug/L		1	<1	9
Toluene	ug/L	60, 24 AO	2	<2	<2
Dibromochloromethane	ug/L		1	<1	<1
Tetrachloroethylene	µg/L		1	<1	<1
Chlorobenzene	ug/L	80, 30 AO	1	<1	<1
Ethylbenzene	ug/L	140.1.6 AO	2	<2	<2
Bromoform	ug/L		1	<1	<1
Xylenes (Total)	ug/L	300 AO	4	<4	<4
1,4-Dichlorobenzene	ug/L	5, 1 AO	1	<1	<1
1,2-Dichlorobenzene	ug/L	200, 3 AO	1	<1	<1
Total Trihalomethanes	ug/L	100	1	<1	74

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SAMPLING SITE:

SAMPLED BY:

Canadian Drinking Water MAC Package (HAAs, VOCs)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Surrogate	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis
		SAMPLE TYPE: Water		Treated
		DATE SAMPLED: 2021-07-27		Water
		Acceptable Limits	2790901	2790918
2-Bromobutanoic acid	%	50-130	127	112
Toluene-d8	%	60-130	99	97
4-Bromofluorobenzene	%	60-130	99	99

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2021-03
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SAMPLING SITE:

SAMPLED BY:

Carbamate Pesticides (Water)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		SAMPLE TYPE: Water		Water	
		DATE SAMPLED: 2021-07-27		2021-07-27	
		G / S	RDL	2790901	2790918
Aldicarb	µg/L		2.0	<2.0	<2.0
Bendiocarb	µg/L		2	<2	<2
Carbofuran	µg/L		5	<5	<5
Carbaryl	µg/L		5	<5	<5
Diuron	µg/L		10	<10	<10
Triallate	µg/L		1	<1	<1
Temephos	µg/L		10	<10	<10

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

2790901-2790918 Results relate only to the items tested.

Analysis performed at AGAT Toronto (unless marked by *)

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SAMPLING SITE:

SAMPLED BY:

Diquat, Paraquat (Water)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		G / S	RDL	G / S	RDL
Diquat	µg/L		5	<5	<5
Paraquat	µg/L		1	<1	<1

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

Certified By:



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SAMPLING SITE:

SAMPLED BY:

OC Pesticides (Water) (for Halifax)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw			
		SAMPLE TYPE: Water		Cornwallis Treated	
		DATE SAMPLED: 2021-07-27		2021-07-27	
		G / S	RDL	2790901	2790918
alpha-BHC	µg/L		0.01	<0.01	<0.01
Hexachlorobenzene	ug/L		0.01	<0.01	<0.01
beta-BHC	µg/L		0.05	<0.05	<0.05
Gamma-Hexachlorocyclohexane	µg/L		0.01	<0.01	<0.01
delta-BHC	µg/L		0.01	<0.01	<0.01
Heptachlor	µg/L		0.01	<0.01	<0.01
Aldrin	µg/L		0.01	<0.01	<0.01
Heptachlor Epoxide	µg/L		0.01	<0.01	<0.01
Oxychlordane	µg/L		0.05	<0.05	<0.05
gamma-Chlordane	µg/L		0.1	<0.1	<0.1
op'-DDE	µg/L		0.01	<0.01	<0.01
Endosulfan I	µg/L		0.002	<0.002	<0.002
alpha - chlordane	µg/L		0.05	<0.05	<0.05
pp'-DDE	µg/L		0.05	<0.05	<0.05
Dieldrin	µg/L		0.02	<0.02	<0.02
op'-DDD	µg/L		0.05	<0.05	<0.05
Endrin	µg/L		0.05	<0.05	<0.05
Endosulfan II	µg/L		0.002	<0.002	<0.002
pp'-DDD	µg/L		0.05	<0.05	<0.05
op'-DDT	µg/L		0.04	<0.04	<0.04
Endrin Aldehyde	µg/L		0.05	<0.05	<0.05
Endosulfan Sulfate	µg/L		0.05	<0.05	<0.05
pp'-DDT	µg/L		0.05	<0.05	<0.05
Endrin Ketone	µg/L		0.05	<0.05	<0.05
Methoxychlor	µg/L		0.04	<0.04	<0.04
Mirex	µg/L		0.05	<0.05	<0.05
Surrogate	Unit	Acceptable Limits			
TCMX	%	50-140	105	96	
Decachlorobiphenyl	%	50-140	106	99	

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SAMPLING SITE:

SAMPLED BY:

OC Pesticides (Water) (for Halifax)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

2790901-2790918 DDT total is a calculated parameter. The calculated value is the sum of op'DDT and pp'DDT.
DDD total is a calculated parameter. The calculated value is the sum of op'DDD and pp'DDD.
DDE total is a calculated parameter. The calculated value is the sum of op'DDE and pp'DDE.
Endosulfan total is a calculated parameter. The calculated value is the sum of Endosulfan I and Endosulfan II.
Chlordane total is a calculated parameter. The calculated value is the sum of Alpha-Chlordane and Gamma-Chlordane.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

Certificate of Analysis

AGAT WORK ORDER: 21X780707

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CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

OP Pesticides (Water)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		SAMPLE TYPE: Water		Water	
		DATE SAMPLED: 2021-07-27		2021-07-27	
		G / S	RDL	2790901	2790918
Phorate	µg/L		0.5	<0.5	<0.5
Dimethoate	µg/L		2.5	<2.5	<2.5
Terbufos	µg/L		0.5	<0.5	<0.5
Diazinon	µg/L		1	<1	<1
Malathion	µg/L		5	<5	<5
Chlorpyrifos	µg/L		1	<1	<1
Parathion	µg/L		1	<1	<1
Azinphos-methyl	µg/L		2	<2	<2
Surrogate	Unit	Acceptable Limits			
Triphenyl phosphate (surr)	%		50-140	98	87

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ODWS - Table D
 Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

2790901-2790918 Results relate only to the items tested.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:





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CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Phenoxy Acid Herbicides (Water)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		SAMPLE TYPE: Water		Water	
		DATE SAMPLED: 2021-07-27		2021-07-27	
		G / S	RDL	2790901	2790918
2,4-D	µg/L		0.5	<0.5	<0.5
2,4,5-T	µg/L		0.5	<0.5	<0.5
2,4,5-TP	µg/L		0.5	<0.5	<0.5
Dicamba	µg/L		0.5	<0.5	<0.5
Dichlorprop	µg/L		0.5	<0.5	<0.5
Dinoseb	µg/L		0.5	<0.5	<0.5
Picloram	µg/L		0.5	<0.5	<0.5
Diclofop-methyl	µg/L		0.5	<0.5	<0.5
2,3,4,6-Tetrachlorophenol	µg/L		0.5	<0.5	<0.5
2,4-Dichlorophenol	µg/L		0.2	<0.2	<0.2
2,4,5-Trichlorophenol	µg/L		0.5	<0.5	<0.5
2,4,6-Trichlorophenol	µg/L		0.5	<0.5	<0.5
Bromoxynil	µg/L		0.3	<0.3	<0.3
MCPA	µg/L		5.0	<5.0	<5.0
MCPP	µg/L		5.0	<5.0	<5.0
Pentachlorophenol	µg/L		0.1	<0.1	<0.1
Surrogate	Unit	Acceptable Limits			
DCAA	%	50-140	76	80	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard
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CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Triazine Pesticides [water]

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		SAMPLE TYPE: Water		Water	
		DATE SAMPLED: 2021-07-27		2021-07-27	
		G / S	RDL	2790901	2790918
Trifluralin	µg/L		1.0	<1.0	<1.0
Simazine	µg/L		1.0	<1.0	<1.0
Atrazine	µg/L		0.5	<0.5	<0.5
Metribuzin	µg/L		0.25	<0.25	<0.25
Prometryne	µg/L		0.25	<0.25	<0.25
Metolachlor	µg/L		0.11	<0.11	<0.11
Alachlor	µg/L		0.5	<0.5	<0.5
Cyanazine	µg/L		1.0	<1.0	<1.0
Surrogate	Unit	Acceptable Limits			
Triphenyl phosphate (surr)	%		30-130	89	96

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ODWS - Table D
 Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

2790901-2790918 Results relate only to the items tested.

Analysis performed at AGAT Toronto (unless marked by *)

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CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Canadian Drinking Water MAC Package (Metals, Hg & Inorganics)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION: Cornwallis Raw		Cornwallis Treated	
		SAMPLE TYPE: Water		Water	
		DATE SAMPLED: 2021-07-27		2021-07-27	
		G / S	RDL	2790901	2790918
Total Aluminum	ug/L	2900, 100	10	286	1360
Total Antimony	ug/L	6	2	<2	<2
Total Arsenic	ug/L	10	2	<2	<2
Total Barium	ug/L	2000	5	7	6
Total Boron	ug/L	5000	5	<5	<5
Total Cadmium	ug/L	7	0.3	<0.3	<0.3
Total Chromium	ug/L	50	2	<2	<2
Total Copper	ug/L	2000, 1000	2	16	6
Total Iron	ug/L	300 AO	50	1010	51
Total Lead	ug/L	5	0.5	0.6	<0.5
Total Manganese	ug/L	120, 20 AO	2	153	95
Total Selenium	ug/L	50	2	<2	<2
Total Strontium	ug/L	7000	5	13	14
Total Uranium	ug/L	20	0.2	<0.2	<0.2
Total Zinc	ug/L	5000 AO	5	5	358
Total Sodium	mg/L	200 AO	0.1	4.7	45.7
Mercury	ug/L	1	0.05	<0.05	<0.05
pH		7.0-10.5		6.67	7.25
Turbidity	NTU	1.0	0.5	2.0	1.1
True Color	TCU	15 AO	5.00	92.1	<5.00
Chloride	mg/L	250 AO	1		
Fluoride	mg/L	1.5	0.12		
Nitrate as N	mg/L	10	0.05		
Sulphate	mg/L	500 AO	2		
Total Dissolved Solids	mg/L	500 AO	5	32	110
Bromate	mg/L	0.01	0.01		
Chlorate	mg/L	1	0.02		
Chlorite	mg/L	1	0.02		
Chloramines - Total	mg/L		0.1	<0.1	0.3

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ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Canadian Drinking Water MAC Package (Metals, Hg & Inorganics)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2021-03
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.
2790901-2790918 Chloramines is a calculated parameter. The calculated parameter is non-accredited. The component parameters of the calculation are accredited.
Analysis performed at AGAT Halifax (unless marked by *)

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Exceedance Summary

AGAT WORK ORDER: 21X780707

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SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
2790901	Cornwallis Raw	NS-CDWQ incl [AO]	Canadian Drinking Water MAC Package (Metals, Hg & Inorganics)	Total Iron	ug/L	300 AO	1010
2790901	Cornwallis Raw	NS-CDWQ incl [AO]	Canadian Drinking Water MAC Package (Metals, Hg & Inorganics)	Total Manganese	ug/L	120, 20 AO	153
2790901	Cornwallis Raw	NS-CDWQ incl [AO]	Canadian Drinking Water MAC Package (Metals, Hg & Inorganics)	True Color	TCU	15 AO	92.1
2790901	Cornwallis Raw	NS-CDWQ incl [AO]	Canadian Drinking Water MAC Package (Metals, Hg & Inorganics)	Turbidity	NTU	1.0	2.0
2790901	Cornwallis Raw	NS-CDWQ incl [AO]	Canadian Drinking Water MAC Package (Metals, Hg & Inorganics)	pH		7.0-10.5 OG	6.67
2790918	Cornwallis Treated	NS-CDWQ incl [AO]	Canadian Drinking Water MAC Package (Metals, Hg & Inorganics)	Turbidity	NTU	1.0	1.1

Quality Assurance

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

AGAT WORK ORDER: 21X780707

PROJECT:

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Food Chemistry Analysis

RPT Date: Sep 01, 2021			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits		
								Lower	Upper		Lower	Upper		Lower	Upper	
Glyphosate (Montreal) (ug/L)																
Glyphosate	812	NA	< 15	< 15	0.0%	< 15	108%	70%	130%	107%	70%	130%	96%	70%	130%	

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Quality Assurance

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

AGAT WORK ORDER: 21X780707

PROJECT:

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Trace Organics Analysis															
RPT Date: Sep 01, 2021			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE		MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Canadian Drinking Water MAC Package (HAAs, VOCs)

Chloroacetic Acid	1	2774693	0.8	0.9	NA	< 0.5	107%	70%	130%	70%	60%	130%	64%	60%	130%
Bromoacetic Acid	1	2774693	< 0.5	< 0.5	NA	< 0.5	103%	70%	130%	80%	60%	130%	74%	60%	130%
Dichloroacetic Acid	1	2774693	30.9	29.4	5.0%	< 0.5	99%	70%	130%	101%	60%	130%	102%	60%	130%
Trichloroacetic Acid	1	2774693	33.5	30.4	9.7%	< 0.5	91%	70%	130%	78%	60%	130%	81%	60%	130%
Bromochloroacetic Acid	1	2774693	6.3	6.1	3.2%	< 0.5	87%	70%	130%	100%	60%	130%	97%	60%	130%
Dibromoacetic Acid	1	2774693	0.9	1.0	NA	< 0.5	89%	70%	130%	106%	60%	130%	105%	60%	130%
Vinyl Chloride	1	2788131	< 0.6	< 0.6	NA	< 0.6	97%	50%	140%	90%	60%	130%	96%	50%	140%
Chloroethane	1	2788131	< 5	< 5	NA	< 5	96%	50%	140%	88%	60%	130%	86%	50%	140%
1,1-Dichloroethylene	1	2788131	< 2	< 2	NA	< 2	102%	50%	140%	94%	60%	130%	103%	50%	140%
Methylene Chloride (Dichloromethane)	1	2788131	< 2	< 2	NA	< 2	100%	50%	140%	94%	60%	130%	106%	50%	140%
Methyl-t-Butyl-Ether (MTBE)	1	2788131	< 2	< 2	NA	< 2	80%	60%	140%	79%	60%	140%	91%	60%	140%
Chloroform	1	2788131	81	88	8.3%	< 1	101%	50%	140%	96%	60%	130%	NA	50%	140%
1,2-Dichloroethane	1	2788131	< 2	< 2	NA	< 2	93%	50%	140%	89%	60%	130%	101%	50%	140%
Carbon Tetrachloride	1	2788131	< 0.56	< 0.56	NA	< 0.56	95%	50%	140%	89%	60%	130%	99%	50%	140%
Benzene	1	2788131	< 1	< 1	NA	< 1	95%	70%	130%	86%	70%	130%	98%	70%	130%
Trichloroethylene	1	2788131	< 1	< 1	NA	< 1	96%	50%	140%	90%	60%	130%	101%	50%	140%
Bromodichloromethane	1	2788131	17	18	5.7%	< 1	91%	50%	140%	86%	60%	130%	73%	50%	140%
Toluene	1	2788131	< 2	< 2	NA	< 2	96%	70%	130%	86%	60%	140%	95%	60%	140%
Dibromochloromethane	1	2788131	2	2	NA	< 1	93%	50%	140%	85%	60%	130%	96%	50%	140%
Tetrachloroethylene	1	2788131	< 1	< 1	NA	< 1	98%	70%	130%	88%	60%	140%	98%	60%	140%
Chlorobenzene	1	2788131	< 1	< 1	NA	< 1	94%	50%	140%	86%	60%	130%	93%	50%	140%
Ethylbenzene	1	2788131	< 2	< 2	NA	< 2	94%	70%	130%	84%	60%	140%	94%	60%	140%
Bromoform	1	2788131	< 1	< 1	NA	< 1	83%	50%	140%	75%	60%	130%	88%	50%	140%
1,4-Dichlorobenzene	1	2788131	< 1	< 1	NA	< 1	89%	50%	140%	80%	60%	130%	84%	50%	140%
1,2-Dichlorobenzene	1	2788131	< 1	< 1	NA	< 1	90%	50%	140%	84%	60%	130%	91%	50%	140%

Comments: If Matrix spike value is NA, the spiked analyte concentration was lower than that of the matrix contribution.
 If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Diquat, Paraquat (Water)

Diquat	TW	< 5	< 5	NA	< 5	96%	50%	140%	95%	50%	140%	97%	50%	140%
Paraquat	TW	< 1	< 1	NA	< 1	86%	50%	140%	95%	50%	140%	97%	50%	140%

Carbamate Pesticides (Water)

Aldicarb	2767079	< 2.0	< 2.0	NA	< 2.0	98%	50%	140%	98%	50%	140%	106%	50%	140%
Bendiocarb	2767079	< 2	< 2	NA	< 2	102%	50%	140%	99%	50%	140%	101%	50%	140%
Carbofuran	2767079	< 5	< 5	NA	< 5	102%	50%	140%	99%	50%	140%	101%	50%	140%
Carbaryl	2767079	< 5	< 5	NA	< 5	108%	50%	140%	114%	50%	140%	115%	50%	140%
Diuron	2767079	< 10	< 10	NA	< 10	107%	50%	140%	103%	50%	140%	100%	50%	140%
Triallate	2767079	< 1	< 1	NA	< 1	101%	50%	140%	99%	50%	140%	99%	50%	140%
Temephos	2767079	< 10	< 10	NA	< 10	104%	60%	130%	104%	60%	130%	105%	60%	130%

Quality Assurance

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY
AGAT WORK ORDER: 21X780707
PROJECT:
ATTENTION TO: James Jenner
SAMPLING SITE:
SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Sep 01, 2021			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Phenoxy Acid Herbicides (Water)

2,4-D	2767079		< 0.5	< 0.5	NA	< 0.5	101%	50%	140%	115%	50%	140%	95%	50%	140%
2,4,5-T	2767079		< 0.5	< 0.5	NA	< 0.5	92%	50%	140%	120%	50%	140%	102%	50%	140%
2,4,5-TP	2767079		< 0.5	< 0.5	NA	< 0.5	90%	50%	140%	116%	50%	140%	100%	50%	140%
Dicamba	2767079		< 0.5	< 0.5	NA	< 0.5	89%	50%	140%	108%	50%	140%	96%	50%	140%
Dichlorprop	2767079		< 0.5	< 0.5	NA	< 0.5	90%	50%	140%	103%	50%	140%	90%	50%	140%
Dinoseb	2767079		< 0.5	< 0.5	NA	< 0.5	80%	50%	140%	106%	50%	140%	95%	50%	140%
Picloram	2767079		< 0.5	< 0.5	NA	< 0.5	95%	50%	140%	93%	50%	140%	83%	50%	140%
Diclofop-methyl	2767079		< 0.5	< 0.5	NA	< 0.5	92%	50%	140%	79%	50%	140%	114%	50%	140%
2,3,4,6-Tetrachlorophenol	2767079		< 0.5	< 0.5	NA	< 0.5	76%	50%	140%	82%	50%	140%	73%	50%	140%
2,4-Dichlorophenol	2767079		< 0.2	< 0.2	NA	< 0.2	76%	50%	140%	94%	50%	140%	91%	50%	140%
2,4,5-Trichlorophenol	2767079		< 0.5	< 0.5	NA	< 0.5	90%	50%	140%	84%	50%	140%	84%	50%	140%
2,4,6-Trichlorophenol	2767079		< 0.5	< 0.5	NA	< 0.5	75%	50%	140%	86%	50%	140%	76%	50%	140%
Bromoxynil	2767079		< 0.3	< 0.3	NA	< 0.3	98%	50%	140%	94%	50%	140%	93%	50%	140%
MCPA	2767079		< 5.0	< 5.0	NA	< 5.0	96%	50%	140%	108%	50%	140%	86%	50%	140%
MCPP	2767079		< 5.0	< 5.0	NA	< 5.0	98%	50%	140%	108%	50%	140%	92%	50%	140%
Pentachlorophenol	2767079		< 0.1	< 0.1	NA	< 0.1	106%	50%	140%	91%	50%	140%	79%	50%	140%

Triazine Pesticides [water]

Trifluralin		TW	< 1.0	< 1.0	NA	< 1.0	87%	50%	140%	96%	50%	140%	76%	50%	140%
Simazine		TW	< 1.0	< 1.0	NA	< 1.0	88%	50%	140%	82%	50%	140%	99%	50%	140%
Atrazine		TW	< 0.5	< 0.5	NA	< 0.5	79%	50%	140%	70%	50%	140%	92%	50%	140%
Metribuzin		TW	< 0.25	< 0.25	NA	< 0.25	98%	50%	140%	77%	50%	140%	98%	50%	140%
Prometryne		TW	< 0.25	< 0.25	NA	< 0.25	99%	50%	140%	94%	50%	140%	76%	50%	140%
Metolachlor		TW	< 0.11	< 0.11	NA	< 0.11	88%	50%	140%	76%	50%	140%	83%	50%	140%
Alachlor		TW	< 0.5	< 0.5	NA	< 0.5	80%	50%	140%	88%	50%	140%	94%	50%	140%
Cyanazine		TW	< 1.0	< 1.0	NA	< 1.0	78%	50%	140%	90%	50%	140%	99%	50%	140%

OC Pesticides (Water) (for Halifax)

alpha-BHC	2797080		< 0.01	< 0.01	NA	< 0.01	102%	50%	140%	86%	50%	140%	92%	50%	140%
Hexachlorobenzene	2797080		< 0.01	< 0.01	NA	< 0.01	109%	50%	140%	96%	50%	140%	96%	50%	140%
beta-BHC	2797080		< 0.05	< 0.05	NA	< 0.05	97%	50%	140%	85%	50%	140%	93%	50%	140%
Gamma-Hexachlorocyclohexane	2797080		< 0.01	< 0.01	NA	< 0.01	98%	50%	140%	91%	50%	140%	105%	50%	140%
delta-BHC	2797080		< 0.01	< 0.01	NA	< 0.01	106%	50%	140%	86%	50%	140%	102%	50%	140%
Heptachlor	2797080		< 0.01	< 0.01	NA	< 0.01	93%	50%	140%	84%	50%	140%	105%	50%	140%
Aldrin	2797080		< 0.01	< 0.01	NA	< 0.01	106%	50%	140%	96%	50%	140%	107%	50%	140%
Heptachlor Epoxide	2797080		< 0.01	< 0.01	NA	< 0.01	113%	50%	140%	97%	50%	140%	102%	50%	140%
Oxychlordan	2797080		< 0.05	< 0.05	NA	< 0.05	103%	50%	140%	89%	50%	140%	104%	50%	140%
gamma-Chlordane	2797080		< 0.1	< 0.1	NA	< 0.1	114%	50%	140%	98%	50%	140%	104%	50%	140%
op'-DDE	2797080		< 0.01	< 0.01	NA	< 0.01	94%	50%	140%	89%	50%	140%	98%	50%	140%

Quality Assurance

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

AGAT WORK ORDER: 21X780707

PROJECT:

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Sep 01, 2021			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Endosulfan I	2797080		< 0.002	< 0.002	NA	< 0.002	114%	50%	140%	100%	50%	140%	106%	50%	140%
alpha - chlordane	2797080		< 0.05	< 0.05	NA	< 0.05	116%	50%	140%	98%	50%	140%	104%	50%	140%
pp'-DDE	2797080		< 0.05	< 0.05	NA	< 0.05	100%	50%	140%	100%	50%	140%	103%	50%	140%
Dieldrin	2797080		< 0.02	< 0.02	NA	< 0.02	118%	50%	140%	99%	50%	140%	101%	50%	140%
op'-DDD	2797080		< 0.05	< 0.05	NA	< 0.05	115%	50%	140%	107%	50%	140%	104%	50%	140%
Endrin	2797080		< 0.05	< 0.05	NA	< 0.05	98%	50%	140%	103%	50%	140%	100%	50%	140%
Endosulfan II	2797080		< 0.002	< 0.002	NA	< 0.002	118%	50%	140%	94%	50%	140%	107%	50%	140%
pp'-DDD	2797080		< 0.05	< 0.05	NA	< 0.05	94%	50%	140%	105%	50%	140%	102%	50%	140%
op'-DDT	2797080		< 0.04	< 0.04	NA	< 0.04	102%	50%	140%	94%	50%	140%	102%	50%	140%
Endrin Aldehyde	2797080		< 0.05	< 0.05	NA	< 0.05	116%	50%	140%	89%	50%	140%	106%	50%	140%
Endosulfan Sulfate	2797080		< 0.05	< 0.05	NA	< 0.05	103%	50%	140%	95%	50%	140%	108%	50%	140%
pp'-DDT	2797080		< 0.05	< 0.05	NA	< 0.05	100%	50%	140%	96%	50%	140%	105%	50%	140%
Endrin Ketone	2797080		< 0.05	< 0.05	NA	< 0.05	106%	50%	140%	96%	50%	140%	109%	50%	140%
Methoxychlor	2797080		< 0.04	< 0.04	NA	< 0.04	85%	50%	140%	101%	50%	140%	102%	50%	140%
Mirex	2797080		< 0.05	< 0.05	NA	< 0.05	101%	50%	140%	92%	50%	140%	108%	50%	140%
OP Pesticides (Water)															
Phorate		TW	< 0.5	< 0.5	NA	< 0.5	90%	50%	140%	71%	50%	140%	89%	50%	140%
Dimethoate		TW	< 2.5	< 2.5	NA	< 2.5	76%	50%	140%	92%	50%	140%	74%	50%	140%
Terbufos		TW	< 0.5	< 0.5	NA	< 0.5	82%	50%	140%	84%	50%	140%	77%	50%	140%
Diazinon		TW	< 1	< 1	NA	< 1	94%	50%	140%	96%	50%	140%	80%	50%	140%
Malathion		TW	< 5	< 5	NA	< 5	77%	50%	140%	88%	50%	140%	92%	50%	140%
Chlorpyrifos		TW	< 1	< 1	NA	< 1	83%	50%	140%	90%	50%	140%	99%	50%	140%
Parathion		TW	< 1	< 1	NA	< 1	88%	50%	140%	93%	50%	140%	98%	50%	140%
Azinphos-methyl		TW	< 2	< 2	NA	< 2	90%	50%	140%	79%	50%	140%	85%	50%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By:


Quality Assurance

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

AGAT WORK ORDER: 21X780707

PROJECT:

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

Water Analysis															
RPT Date: Sep 01, 2021			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE		MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Canadian Drinking Water MAC Package (Metals, Hg & Inorganics)

Total Aluminum	2791500		<10	<10	NA	< 10	99%	80%	120%	100%	80%	120%	104%	70%	130%
Total Antimony	2791500		<2	<2	NA	< 2	98%	80%	120%	103%	80%	120%	105%	70%	130%
Total Arsenic	2791500		<2	<2	NA	< 2	100%	80%	120%	100%	80%	120%	105%	70%	130%
Total Barium	2791500		155	152	2.1%	< 5	90%	80%	120%	89%	80%	120%	NA	70%	130%
Total Boron	2791500		32	31	3.8%	< 5	97%	80%	120%	101%	80%	120%	103%	70%	130%
Total Cadmium	2791500		<0.3	<0.3	NA	< 0.3	105%	80%	120%	102%	80%	120%	96%	70%	130%
Total Chromium	2791500		<2	<2	NA	< 2	100%	80%	120%	100%	80%	120%	110%	70%	130%
Total Copper	2791500		36	35	2.0%	< 2	101%	80%	120%	99%	80%	120%	NA	70%	130%
Total Iron	2791500		<50	<50	NA	< 50	100%	80%	120%	99%	80%	120%	114%	70%	130%
Total Lead	2791500		0.6	0.5	NA	< 0.5	105%	80%	120%	102%	80%	120%	98%	70%	130%
Total Manganese	2791500		<2	<2	NA	< 2	100%	80%	120%	101%	80%	120%	106%	70%	130%
Total Selenium	2791500		<2	<2	NA	< 2	103%	80%	120%	102%	80%	120%	93%	70%	130%
Total Strontium	2791500		426	408	4.1%	< 5	100%	80%	120%	100%	80%	120%	NA	70%	130%
Total Uranium	2791500		0.8	0.8	NA	< 0.2	101%	80%	120%	95%	80%	120%	105%	70%	130%
Total Zinc	2791500		29	28	4.2%	< 5	101%	80%	120%	101%	80%	120%	102%	70%	130%
Total Sodium	2791500		63.4	61.8	2.6%	< 0.1	110%	80%	120%	111%	80%	120%	NA	70%	130%
Mercury	2792437		<0.026	<0.026	NA	< 0.05	104%	80%	120%		80%	120%	113%	70%	130%
pH	2867350		6.01	6.11	1.7%	<	NA	80%	120%	NA	80%	120%	NA	80%	120%
Turbidity	2859711		25.7	24.4	5.2%	< 0.5	92%	80%	120%	NA			NA		
True Color	2792970		21.7	<5.00	NA	17.5	NA	80%	120%	NA	80%	120%	NA		
Total Dissolved Solids	2786477		238	236	0.8%	< 5	84%	80%	120%	NA			NA		

Comments: If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By:





Method Summary

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

AGAT WORK ORDER: 21X780707

PROJECT:

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Food Chemistry Analysis			
Glyphosate	ORG-100-5115F	MA.403-GLYAMP 1.0 Modifiée	HPLC
Miscellaneous Analysis			
Radionuclides - Gross Alpha*			
Radionuclides - Gross Beta*			
Nitriloacetic Acid (NTA)			

Method Summary

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY
AGAT WORK ORDER: 21X780707
PROJECT:
ATTENTION TO: James Jenner
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Chloroacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Bromoacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Dichloroacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Trichloroacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Bromochloroacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Dibromoacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Haloacetic Acids	ORG-120-5110	EPA 552.3	GC/ECD
2-Bromobutanoic acid	ORG-120-5110	EPA 552.3	GC/ECD
Vinyl Chloride	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Chloroethane	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
1,1-Dichloroethylene	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
Methylene Chloride (Dichloromethane)	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
Methyl-t-Butyl-Ether (MTBE)	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Chloroform	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
1,2-Dichloroethane	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Carbon Tetrachloride	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Benzene	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Trichloroethylene	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Bromodichloromethane	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Toluene	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Dibromochloromethane	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Tetrachloroethylene	VOL-120-5001	EPA SW-846 5230B/8260	GC/MS
Chlorobenzene	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Ethylbenzene	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Bromoform	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
Xylenes (Total)	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
1,4-Dichlorobenzene	VOL-120-5001	EPA SW846 5230B/8260	GC/MS
1,2-Dichlorobenzene	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
Total Trihalomethanes	VOL-120-5001	EPA SW846 5230/8260	GC/MS
Toluene-d8	VOL-120-5001	EPA SW846 5030B/8260B	GC/MS
4-Bromofluorobenzene	VOL-120-5001	EPA SW846 5030B/8260B	GC/MS
Aldicarb	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Bendiocarb	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Carbofuran	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Carbaryl	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Diuron	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Triallate	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Temephos	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Diquat	ORG-91-5102	EPA 549.1	HPLC
Paraquat	ORG-91-5102	EPA 549.1	HPLC
alpha-BHC	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Hexachlorobenzene	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
beta-BHC	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Gamma-Hexachlorocyclohexane	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
delta-BHC	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD

Method Summary

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AGAT WORK ORDER: 21X780707
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SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Heptachlor	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Aldrin	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Heptachlor Epoxide	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Oxychlordane	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
gamma-Chlordane	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
op'-DDE	ORG-91-5112	modified from EPA SW846 3510C & 8081B	GC/ECD
Endosulfan I	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
alpha - chlordane	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
pp'-DDE	ORG-91-5112	modified from EPA SW846 3510C & 8081B	GC/ECD
Dieldrin	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
op'-DDD	ORG-91-5112	modified from EPA SW846 3510C & 8081B	GC/ECD
Endrin	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Endosulfan II	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
pp'-DDD	ORG-91-5112	modified from EPA SW846 3510C & 8081B	GC/ECD
op'-DDT	ORG-91-5112	modified from EPA SW846 3510C & 8081B	GC/ECD
Endrin Aldehyde	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Endosulfan Sulfate	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
pp'-DDT	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Endrin Ketone	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Methoxychlor	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Mirex	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
TCMX	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Decachlorobiphenyl	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Phorate	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Dimethoate	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Terbufos	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Diazinon	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Malathion	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS

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Chlorpyrifos	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Parathion	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Azinphos-methyl	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Triphenyl phosphate (surr)	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
2,4-D	ORG-91-5110	EPA SW-846 8151A	GC/ECD
2,4,5-T	ORG-91-5510	EPA SW846 8151A	GC/ECD
2,4,5-TP	ORG-91-5110	EPA SW-846 8151A	GC/ECD
Dicamba	ORG-91-5110	EPA SW-846 8151A	GC/ECD
Dichlorprop	ORG-91-5110	EPA SW-846 8151A	GC/ECD
Dinoseb	ORG-91-5110	EPA SW-846 8151A	GC/ECD
Picloram	ORG-91-5110	EPA SW-846 8151A	GC/ECD
Diclofop-methyl	ORG-91-5110	EPA SW-846 8151A	GC/ECD
2,3,4,6-Tetrachlorophenol	ORG-91-5110	EPA SW-846 8151A	GC/ECD
2,4-Dichlorophenol	ORG-91-5110	EPA SW-846 8151A	GC/ECD
2,4,5-Trichlorophenol	ORG-91-5100	EPA SW-846 8151A	GC/ECD
2,4,6-Trichlorophenol	ORG-91-5110	EPA SW-846 8151A	GC/ECD
Bromoxynil	ORG-91-5110	EPA SW-846 8151A	GC/ECD
MCPA	ORG-91-5110	EPA SW-846 8151A	GC/ECD
MCPP	ORG-91-5110	EPA SW-846 8151A	GC/ECD
Pentachlorophenol	ORG-91-5110	EPA SW-846 3510 & 8151	GC/ECD
DCAA	ORG-91-5110	EPA SW-846 8151	GC/ECD
Trifluralin	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Simazine	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Atrazine	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Metribuzin	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Prometryne	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Metolachlor	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Alachlor	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Cyanazine	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Triphenyl phosphate (surr)	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS



Method Summary

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Total Aluminum	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Antimony	MET121-6104 & MET-121-6105	SM 3125	ICP-MS
Total Arsenic	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Barium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Boron	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Cadmium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Chromium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Copper	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Iron	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Lead	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Manganese	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Selenium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Strontium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Uranium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Zinc	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Sodium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Mercury	INOR-121-6100 & INOR-121-6107	SM 3112 B	CV/AA
pH	INOR-121-6001	SM 4500 H+B	PC TITRATE
Turbidity	INOR-121-6022	SM 2130 B	NEPHELOMETER
True Color	INOR-121-6008	SM 2120 B	LACHAT FIA
Chloride	INORG-121-6005	SM 4110 B	ION CHROMATOGRAPH
Fluoride	INOR-121-6005	SM 4110 B	ION CHROMATOGRAPH
Nitrate as N	INORG-121-6005	SM 4110 B	ION CHROMATOGRAPH
Sulphate	INORG-121-6005	SM 4110 B	ION CHROMATOGRAPH
Total Dissolved Solids	INOR-121-6024, 6025	SM 2540C, D	GRAVIMETRIC
Bromate	INOR-121-6005	SM 4110 B	ION CHROMATOGRAPH
Chlorate	INOR-121-6005	SM 4110 B	ION CHROMATOGRAPH
Chlorite	INOR-121-6005	SM 4110 B	ION CHROMATOGRAPH
Chloramines - Total			CALCULATION

