



CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

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

ATTENTION TO: James Jenner

PROJECT:

AGAT WORK ORDER: 21X780719

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): 27

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:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
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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: 21X780719

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:		Granville	
		Granville Raw		Treated	
		SAMPLE TYPE:		Water	
		DATE SAMPLED:		2021-07-27	
G / S	RDL	2790940	2791022		
Glyphosate	ug/L	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:		Granville	
		Granville Raw		Treated	
		Water		Water	
		DATE SAMPLED:		DATE SAMPLED:	
		G / S	RDL	2790940	2791022
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.

2790940-2791022 *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 (Subcontracted)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION:		Granville	
		Granville Raw		Treated	
		Water		Water	
		DATE SAMPLED:		DATE SAMPLED:	
		2021-07-27	2021-07-27	2790940	2791022
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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2790940-2791022 *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:		Granville	
		SAMPLE TYPE:		Raw	Treated
		DATE SAMPLED:		Water	Water
		G / S	RDL	2021-07-27	2021-07-27
Chloroacetic Acid	ug/L		0.5	<0.5	<0.5
Bromoacetic Acid	ug/L		0.5	<0.5	<0.5
Dichloroacetic Acid	ug/L		0.5	<0.5	0.6
Trichloroacetic Acid	ug/L		0.5	<0.5	<0.5
Bromochloroacetic Acid	ug/L		0.5	<0.5	<0.5
Dibromoacetic Acid	ug/L		0.5	<0.5	0.6
Haloacetic Acids	ug/L	80	4.0	<4.0	<4.0
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	<1
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	<1
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	<1

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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

Surrogate	Unit	Acceptable Limits	Granville	
			SAMPLE DESCRIPTION: Granville Raw	Treated
			SAMPLE TYPE: Water	Water
			DATE SAMPLED: 2021-07-27	2021-07-27
			2790940	2791022
2-Bromobutanoic acid	%	50-130	124	125
Toluene-d8	%	60-130	97	97
4-Bromofluorobenzene	%	60-130	101	100

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2021-03
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CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

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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:		Granville	
		Granville Raw		Treated	
		Water		Water	
		DATE SAMPLED:		DATE SAMPLED:	
		G / S	RDL	2790940	2791022
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

2790940-2791022 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

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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: Granville Raw		Granville Treated	
		G / S	RDL	G / S	RDL
Diuron	µg/L	10	<10	<10	<10
Paraquat	µg/L	1	<1	<1	<1

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

Certified By:



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CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

OC Pesticides (Water) (for Halifax)

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION:		Granville	
		Granville Raw		Treated	
		Water		Water	
		DATE SAMPLED:	2021-07-27	DATE SAMPLED:	2021-07-27
G / S	RDL	2790940	2791022		
alpha-BHC	µg/L	0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	ug/L	0.01	<0.01	<0.01	<0.01
beta-BHC	µg/L	0.05	<0.05	<0.05	<0.05
Gamma-Hexachlorocyclohexane	µg/L	0.01	<0.01	<0.01	<0.01
delta-BHC	µg/L	0.01	<0.01	<0.01	<0.01
Heptachlor	µg/L	0.01	<0.01	<0.01	<0.01
Aldrin	µg/L	0.01	<0.01	<0.01	<0.01
Heptachlor Epoxide	µg/L	0.01	<0.01	<0.01	<0.01
Oxychlorane	µg/L	0.05	<0.05	<0.05	<0.05
gamma-Chlordane	µg/L	0.1	<0.1	<0.1	<0.1
op'-DDE	µg/L	0.01	<0.01	<0.01	<0.01
Endosulfan I	µg/L	0.002	<0.002	<0.002	<0.002
alpha - chlordane	µg/L	0.05	<0.05	<0.05	<0.05
pp'-DDE	µg/L	0.05	<0.05	<0.05	<0.05
Dieldrin	µg/L	0.02	<0.02	<0.02	<0.02
op'-DDD	µg/L	0.05	<0.05	<0.05	<0.05
Endrin	µg/L	0.05	<0.05	<0.05	<0.05
Endosulfan II	µg/L	0.002	<0.002	<0.002	<0.002
pp'-DDD	µg/L	0.05	<0.05	<0.05	<0.05
op'-DDT	µg/L	0.04	<0.04	<0.04	<0.04
Endrin Aldehyde	µg/L	0.05	<0.05	<0.05	<0.05
Endosulfan Sulfate	µg/L	0.05	<0.05	<0.05	<0.05
pp'-DDT	µg/L	0.05	<0.05	<0.05	<0.05
Endrin Ketone	µg/L	0.05	<0.05	<0.05	<0.05
Methoxychlor	µg/L	0.04	<0.04	<0.04	<0.04
Mirex	µg/L	0.05	<0.05	<0.05	<0.05
Surrogate	Unit	Acceptable Limits			
TCMX	%	50-140	80	98	
Decachlorobiphenyl	%	50-140	90	93	

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ATTENTION TO: James Jenner

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

2790940-2791022 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: 21X780719

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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:		Granville	
		Granville Raw		Treated	
		Water		Water	
		DATE SAMPLED:		DATE SAMPLED:	
		G / S	RDL	2790940	2791022
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	78	90	

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.

2790940-2791022 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:		Granville	
		Granville Raw		Treated	
		Water		Water	
		DATE SAMPLED:	2021-07-27	DATE SAMPLED:	2021-07-27
		G / S	RDL	2790940	2791022
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		86	74

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:		Granville	
		Granville Raw		Treated	
		Water		Water	
		DATE SAMPLED:		DATE SAMPLED:	
		G / S	RDL	2790940	2791022
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	87	98	

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.

2790940-2791022 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:

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

DATE RECEIVED: 2021-07-28

DATE REPORTED: 2021-09-01

Parameter	Unit	SAMPLE DESCRIPTION:		Granville	
		Granville Raw		Treated	
		Water		Water	
		DATE SAMPLED:	2021-07-27	DATE SAMPLED:	2021-07-27
		G / S	RDL	2790940	2791022
Total Aluminum	ug/L	2900, 100	10	<10	<10
Total Antimony	ug/L	6	2	<2	<2
Total Arsenic	ug/L	10	2	3	2
Total Barium	ug/L	2000	5	103	100
Total Boron	ug/L	5000	5	7	7
Total Cadmium	ug/L	7	0.3	<0.3	<0.3
Total Chromium	ug/L	50	2	3	3
Total Copper	ug/L	2000, 1000	2	13	<2
Total Iron	ug/L	300 AO	50	<50	<50
Total Lead	ug/L	5	0.5	1.0	<0.5
Total Manganese	ug/L	120, 20 AO	2	<2	<2
Total Selenium	ug/L	50	2	<2	<2
Total Strontium	ug/L	7000	5	212	190
Total Uranium	ug/L	20	0.2	4.5	3.1
Total Zinc	ug/L	5000 AO	5	<5	<5
Total Sodium	mg/L	200 AO	0.1	7.8	8.2
Mercury	ug/L	1	0.05	<0.05	<0.05
pH		7.0-10.5		7.48	7.72
Turbidity	NTU	1.0	0.5	<0.5	<0.5
True Color	TCU	15 AO	5.00	<5.00	<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	162	162
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	<0.1

Certified By:



AGAT Laboratories

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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
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2790940-2791022 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 *)

Certified By:

Quality Assurance

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

AGAT WORK ORDER: 21X780719

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%	

Certified By:



Quality Assurance

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

AGAT WORK ORDER: 21X780719

PROJECT:

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

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)

Diuron	TW	< 10	< 10	NA	< 10	96%	50%	140%	96%	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%
Temphos	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: 21X780719
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: 21X780719
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: 21X780719
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	2789079		204	208	1.9%	< 5	88%	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: 21X780719

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: 21X780719
PROJECT:
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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
Diuron	ORG 5501	EPA SW-632 531.1 & MOE E3389	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

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY
AGAT WORK ORDER: 21X780719
PROJECT:
ATTENTION TO: James Jenner
SAMPLING SITE:
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



Method Summary

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

AGAT WORK ORDER: 21X780719

PROJECT:

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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

CLIENT NAME: MUNICIPALITY OF ANNAPOLIS COUNTY

AGAT WORK ORDER: 21X780719

PROJECT:

ATTENTION TO: James Jenner

SAMPLING SITE:

SAMPLED BY:

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	LCHAT 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



AGAT Laboratories

Unit 122 • 11 Morris Drive
Dartmouth, NS
B3B 1M2

webearth.agatlabs.com • www.agatlabs.com

P: 902.468.8718 • F: 902.468.8924

Laboratory Use Only

Arrival Condition: Good Poor (see notes)

Arrival Temperature: 14.9, 15.6, 16.0

Hold Time: _____

AGAT Job Number: 21x780719

Notes:

21 JUL 20 9:01 AM

Chain of Custody Record

Report Information

Company: County of Annapolis
 Contact: James Jenner
 Address: 490 South Broadway
Crownsville
 Phone: 902 526 0566 Fax: _____
 Client Project #: Granville WTP
 AGAT Quotation: _____
 Please Note: If quotation number is not provided client will be billed full price for analysis.

Report Information (Please print):

1. Name: James Jenner
 Email: jjenner@annapolliscounty.ca
 2. Name: _____
 Email: _____

Report Format

- Single Sample per page
 Multiple Samples per page
 Excel Format Included
 Export

Regulatory Requirements (Check):

- List Guidelines on Report Do not list Guidelines on Report
 PIRI
 Tier 1 Res Pot Coarse
 Tier 2 Com N/Pot Fine
 Gas Fuel Lube
 CCME CDWQ
 Industrial NSEQS-Cont Sites
 Commercial HRM 101
 Res/Park Storm Water
 Agricultural Waste Water
 FWAL Sediment Other _____

Turnaround Time Required (TAT)

- Regular TAT 5 to 7 working days
 Rush TAT Same day 1 day
 2 days 3 days

Date Required: _____

Invoice To

Same Yes / No

Company: County of Annapolis
 Contact: Amanda Lewis
 Address: _____
 Phone: 902 955 0853 Fax: _____
 PO/Credit Card#: _____

Drinking Water Sample: Yes No Salt Water Sample Yes No
 Reg. No.: _____

Sample Identification	Date/Time Sampled	Sample Matrix	# Containers	Comments - Site/Sample Info. Sample Containment	Herbicides - Miss	VOC	OP Pesticides - Miss	Diquat/Paraquat - Miss	Carbamate/Urea Pesticides - Miss	Various Inorganics	Glyphosate - MI	HAA	Total Metals	Mercury	NTA - SGS	Triazine Herbicides - Miss	THM	Gross Alpha/Beta - SRC	Lead 210 - SRC	OC Pesticides - Methoxychlor - Miss	
Granville Raw	July 27	TAP			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Granville Treated					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Samples Prepared By (Print Name): <u>James Jenner</u>	Date/Time: <u>July 27</u>	Samples Received By (Print Name): <u>James Jenner</u>	Date/Time:	Pink Copy - Client	Page <input type="checkbox"/> of <input type="checkbox"/>
Samples Prepared By (Sign):	Date/Time:	Samples Received By (Sign):	Date/Time:	Yellow Copy - AGAT	N°:
				White Copy - AGAT	



Laboratory Use Only

Arrival Condition: Good Poor (see notes)
Arrival Temperature: 12.6, 13.2, 12.8
Hold Time: _____
AGAT Job Number: 21x780719

Notes: 21 JUL 29 9:01 AM

Chain of Custody Record

P: 902.468.8718 • F: 902.468.8924

Report Information

Company: County of Annapolis
Contact: James Jenner
Address: 490 South Broadway
Cornwallis
Phone: 902 526 0566 Fax: _____
Client Project #: Granville WTP
AGAT Quotation: _____
Please Note: If quotation number is not provided client will be billed full price for analysis.

Report Information (Please print):

1. Name: James Jenner
Email: jjenner@annapoliscounty.ca
2. Name: _____
Email: _____

Report Format

- Single Sample per page
 Multiple Samples per page
 Excel Format Included
 Export

Turnaround Time Required (TAT)

- Regular TAT** 5 to 7 working days
Rush TAT Same day 1 day
 2 days 3 days

Date Required: _____

Invoice To

Same Yes / No

Company: County of Annapolis
Contact: Amanda Lewis
Address: _____
Phone: 902 955 0853 Fax: _____
PO/Credit Card#: _____

Regulatory Requirements (Check):

- List Guidelines on Report Do not list Guidelines on Report
 PIRI
 Tier 1 Res Pot Coarse
 Tier 2 Com N/Pot Fine
 Gas Fuel Lube
 CCME CDWQ
 Industrial NSEQS-Cont Sites
 Commercial HRM 101
 Res/Park Storm Water
 Agricultural Waste Water
 FWAL
 Sediment Other _____

Drinking Water Sample: Yes No Salt Water Sample Yes No
Reg. No.: _____

Sample Identification	Date/Time Sampled	Sample Matrix	# Containers	Comments - Site/Sample Info. Sample Containment	Herbicides - Miss	VOC	OP Pesticides - Miss	Diquat/Paraquat - Miss	Carbamate/Urea Pesticides - Miss	Various Inorganics	Glyphosate - Mtl	HAA	Total Metals	Mercury	NTA - SGS	Triazine Herbicides - Miss	THM	Gross Alpha/Beta - SRC	Lead 210 - SRC	OC Pesticides - Methoxychlor - Miss
Granville Treated					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Granville Treated	<u>July 27</u>	<u>TAP</u>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

<small>Samples Relinquished By (Print Name):</small> <u>James Jenner</u>	<small>Date/Time</small> <u>July 27</u>	<small>Samples Received By (Print Name):</small> <u>[Signature]</u>	<small>Date/Time</small> _____	Pink Copy - Client Yellow Copy - AGAT White Copy - AGAT	Page <u> </u> of <u> </u> Nº: _____
<small>Samples Relinquished By (Sign):</small> <u>[Signature]</u>	<small>Date/Time</small> _____	<small>Samples Received By (Sign):</small> <u>[Signature]</u>	<small>Date/Time</small> _____		