

**E3 Laboratories Inc.**

SS#4, 360 York Rd., Unit 10, Niagara-on-the-Lake, Ontario L0S 1J0

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CERTIFICATE OF ANALYSIS

Thorold (South End of Thorold) Distribution System
 Joe Colasurdo
 3540 Schmon Parkway, PO Box 1044
 Thorold
 L2V 4A7
 Tel: 905-227-3535

Fax: 905-227-3666
Email:

Work Order No.:2572794
 Received : 2018-01-02
 PO Number:
 Reported: 2018-01-04
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1073 Niagara Street	2018-01-02	526773	E.coli	0	CFU/100mL	0	2018-01-02	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-01-02	Field
			HPC	0	CFU/mL	0	2018-01-02	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-02	MOE E3407
36 Andrew Lane (Hydrant)	2018-01-02	526774	E.coli	0	CFU/100mL	0	2018-01-02	MOE E3407
			Free Cl	0.82	mg/L	0.01	2018-01-02	Field
			HPC	1	CFU/mL	0	2018-01-02	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-02	MOE E3407
Secord/Days Ave (Hydrant)	2018-01-02	526775	E.coli	0	CFU/100mL	0	2018-01-02	MOE E3407
			Free Cl	0.63	mg/L	0.01	2018-01-02	Field
			HPC	0	CFU/mL	0	2018-01-02	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-02	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager



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Work Order No.:2573116
Received : 2018-01-09
PO Number:
Reported: 2018-01-12
Project Name:
Chain of Custody No.: 2573116

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1073 Niagara Street	2018-01-09	527922	E.coli	0	CFU/100mL	0	2018-01-10	MOE E3407
			Free Cl	0.65	mg/L	0.01	2018-01-10	Field
			HPC	1	CFU/mL	0	2018-01-10	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-10	MOE E3407
36 Andrew Lane (Hydrant)	2018-01-09	527923	E.coli	0	CFU/100mL	0	2018-01-10	MOE E3407
			Free Cl	0.65	mg/L	0.01	2018-01-10	Field
			HPC	0	CFU/mL	0	2018-01-10	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-10	MOE E3407
Secord/Days Ave (Hydrant)	2018-01-09	527924	E.coli	0	CFU/100mL	0	2018-01-10	MOE E3407
			Free Cl	0.63	mg/L	0.01	2018-01-10	Field
			HPC	4	CFU/mL	0	2018-01-10	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-10	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2573386
Received : 2018-01-16
PO Number:
Reported: 2018-01-19
Project Name:
Chain of Custody No.: 2573386

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-01-16	528758	E.coli	0	CFU/100mL	0	2018-01-17	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-01-17	Field
			HPC	0	CFU/mL	0	2018-01-17	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-17	MOE E3407
36 Andrew Lane (Hydrant)	2018-01-16	528759	E.coli	0	CFU/100mL	0	2018-01-17	MOE E3407
			Free Cl	0.67	mg/L	0.01	2018-01-17	Field
			HPC	0	CFU/mL	0	2018-01-17	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-17	MOE E3407
Secord/Days Ave (Hydrant)	2018-01-16	528760	E.coli	0	CFU/100mL	0	2018-01-17	MOE E3407
			Free Cl	0.58	mg/L	0.01	2018-01-17	Field
			HPC	1	CFU/mL	0	2018-01-17	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-17	MOE E3407

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Work Order No.:2573649
Received : 2018-01-23
PO Number:
Reported: 2018-01-26
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-01-23	529563	E.coli	0	CFU/100mL	0	2018-01-24	MOE E3407
			Free Cl	0.62	mg/L	0.01	2018-01-24	Field
			HPC	0	CFU/mL	0	2018-01-24	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-24	MOE E3407
36 Andrew Lane (Hydrant)	2018-01-23	529564	E.coli	0	CFU/100mL	0	2018-01-24	MOE E3407
			Free Cl	0.59	mg/L	0.01	2018-01-24	Field
			HPC	0	CFU/mL	0	2018-01-24	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-24	MOE E3407
Secord/Days Ave (Hydrant)	2018-01-23	529565	E.coli	0	CFU/100mL	0	2018-01-24	MOE E3407
			Free Cl	0.51	mg/L	0.01	2018-01-24	Field
			HPC	13	CFU/mL	0	2018-01-24	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-24	MOE E3407

Reported by:

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Laboratory Manager

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Work Order No.:2573883
 Received : 2018-01-30
 PO Number:
 Reported: 2018-02-02
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-01-30	530320	E.coli	0	CFU/100mL	0	2018-01-31	MOE E3407
			Free Cl	0.87	mg/L	0.01	2018-01-31	Field
			HPC	0	CFU/mL	0	2018-01-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-31	MOE E3407
36 Andrew Lane (Hydrant)	2018-01-30	530321	E.coli	0	CFU/100mL	0	2018-01-31	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-01-31	Field
			HPC	0	CFU/mL	0	2018-01-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-31	MOE E3407
Secord/Days Ave (Hydrant)	2018-01-30	530322	E.coli	0	CFU/100mL	0	2018-01-31	MOE E3407
			Free Cl	0.71	mg/L	0.01	2018-01-31	Field
			HPC	0	CFU/mL	0	2018-01-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-01-31	MOE E3407

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Work Order No.:2574141
Received : 2018-02-06
PO Number:
Reported: 2018-02-09
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-02-06	531160	E.coli	0	CFU/100mL	0	2018-02-07	MOE E3407
			Free Cl	0.62	mg/L	0.01	2018-02-07	Field
			HPC	0	CFU/mL	0	2018-02-07	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-07	MOE E3407
36 Andrew Lane (Hydrant)	2018-02-06	531161	E.coli	0	CFU/100mL	0	2018-02-07	MOE E3407
			Free Cl	0.71	mg/L	0.01	2018-02-07	Field
			HPC	0	CFU/mL	0	2018-02-07	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-07	MOE E3407
Secord/Days Ave (Hydrant)	2018-02-06	531162	E.coli	0	CFU/100mL	0	2018-02-07	MOE E3407
			Free Cl	0.67	mg/L	0.01	2018-02-07	Field
			HPC	1	CFU/mL	0	2018-02-07	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-07	MOE E3407

Reported by:

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Work Order No.:2574207
Received : 2018-02-08
PO Number:
Reported: 2018-02-16
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
Hansler Rd	2018-02-08	531284	HAA (Haloacetic Acid)	See	Attached	N/A	2018-02-16	Subcontracted

Reported by:

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Tel: 905-227-3535 Fax: 905-227-3666
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Work Order No.:2574210
Received : 2018-02-08
PO Number:
Reported: 2018-02-13
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
36 Andrew Lane (Hyd)	2018-02-08	531287	Trihalomethanes	See	Attached	N/A	2018-02-13	Subcontracted

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Email:

Work Order No.:2574214
Received : 2018-02-08
PO Number:
Reported: 2018-02-13
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
#1-1110 Hansler Rd	2018-02-08	531301	Lead	See	Attached	N/A	2018-02-12	Subcontracted
#2-1110 Hansler Rd	2018-02-08	531302	Alkalinity (CaCO3)	See	Attached	N/A	2018-02-12	Subcontracted
#1-McCarland Sample Stn	2018-02-08	531303	Lead	See	Attached	N/A	2018-02-12	Subcontracted
#2-McCarland Sample Stn	2018-02-08	531304	Alkalinity (CaCO3)	See	Attached	N/A	2018-02-12	Subcontracted

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Work Order No.:2574397
 Received : 2018-02-13
 PO Number:
 Reported: 2018-02-16
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-02-13	531946	E.coli	0	CFU/100mL	0	2018-02-14	MOE E3407
			Free Cl	0.72	mg/L	0.01	2018-02-14	Field
			HPC	0	CFU/mL	0	2018-02-14	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-14	MOE E3407
36 Andrew Lane (Hydrant)	2018-02-13	531947	E.coli	0	CFU/100mL	0	2018-02-14	MOE E3407
			Free Cl	0.73	mg/L	0.01	2018-02-14	Field
			HPC	0	CFU/mL	0	2018-02-14	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-14	MOE E3407
Secord/Days Ave (Hydrant)	2018-02-13	531948	E.coli	0	CFU/100mL	0	2018-02-14	MOE E3407
			Free Cl	0.75	mg/L	0.01	2018-02-14	Field
			HPC	0	CFU/mL	0	2018-02-14	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-14	MOE E3407

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CERTIFICATE OF ANALYSIS

Thorold (South End of Thorold) Distribution System
Joe Colasurdo
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Work Order No.:2574660
Received : 2018-02-20
PO Number:
Reported: 2018-02-23
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-02-20	532766	E.coli	0	CFU/100mL	0	2018-02-21	MOE E3407
			Free Cl	0.72	mg/L	0.01	2018-02-21	Field
			HPC	0	CFU/mL	0	2018-02-21	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-21	MOE E3407
36 Andrew Lane (Hydrant)	2018-02-20	532767	E.coli	0	CFU/100mL	0	2018-02-21	MOE E3407
			Free Cl	0.67	mg/L	0.01	2018-02-21	Field
			HPC	1	CFU/mL	0	2018-02-21	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-21	MOE E3407
Secord/Days Ave (Hydrant)	2018-02-20	532768	E.coli	0	CFU/100mL	0	2018-02-21	MOE E3407
			Free Cl	0.64	mg/L	0.01	2018-02-21	Field
			HPC	0	CFU/mL	0	2018-02-21	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-21	MOE E3407

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Work Order No.:2574799
Received : 2018-02-27
PO Number:
Reported: 2018-03-06
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1-15 Eastman Gateway	2018-02-26	533127	Lead	See	Attached	N/A	2018-03-05	Subcontracted
2-15 Eastman Gateway	2018-02-26	533128	Lead	See	Attached	N/A	2018-03-05	Subcontracted

Reported by:

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Work Order No.:2574917
Received : 2018-02-27
PO Number:
Reported: 2018-03-02
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-02-27	533520	E.coli	0	CFU/100mL	0	2018-02-28	MOE E3407
			Free Cl	0.75	mg/L	0.01	2018-02-28	Field
			HPC	1	CFU/mL	0	2018-02-28	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-28	MOE E3407
36 Andrew Lane (Hydrant)	2018-02-27	533521	E.coli	0	CFU/100mL	0	2018-02-28	MOE E3407
			Free Cl	0.77	mg/L	0.01	2018-02-28	Field
			HPC	0	CFU/mL	0	2018-02-28	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-28	MOE E3407
Secord/Days Ave (Hydrant)	2018-02-27	533522	E.coli	0	CFU/100mL	0	2018-02-28	MOE E3407
			Free Cl	0.75	mg/L	0.01	2018-02-28	Field
			HPC	2	CFU/mL	0	2018-02-28	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-02-28	MOE E3407

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Work Order No.:2575187
 Received : 2018-03-06
 PO Number:
 Reported: 2018-03-09
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-03-06	534422	E.coli	0	CFU/100mL	0	2018-03-07	MOE E3407
			Free Cl	0.56	mg/L	0.01	2018-03-07	Field
			HPC	0	CFU/mL	0	2018-03-07	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-07	MOE E3407
36 Andrew Lane (Hydrant)	2018-03-06	534423	E.coli	0	CFU/100mL	0	2018-03-07	MOE E3407
			Free Cl	0.70	mg/L	0.01	2018-03-07	Field
			HPC	1	CFU/mL	0	2018-03-07	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-07	MOE E3407
Secord/Days Ave (Hydrant)	2018-03-06	534424	E.coli	0	CFU/100mL	0	2018-03-07	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-03-07	Field
			HPC	0	CFU/mL	0	2018-03-07	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-07	MOE E3407

Reported by:

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CERTIFICATE OF ANALYSIS

Thorold (South End of Thorold) Distribution System
Joe Colasurdo
3540 Schmon Parkway, PO Box 1044
Thorold
L2V 4A7
Tel: 905-227-3535 Fax: 905-227-3666
Email:

Work Order No.:2575251
Received : 2018-03-08
PO Number:
Reported: 2018-03-13
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
7 Andrew Lane	2018-03-08	534538	Lead	See	Attached	N/A	2018-03-12	Subcontracted
7 Andrew Lane	2018-03-08	534539	Lead	See	Attached	N/A	2018-03-12	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager



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Tel: 905-227-3535

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Work Order No.:2575459
Received : 2018-03-13
PO Number:
Reported: 2018-03-16
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-03-13	535177	E.coli	0	CFU/100mL	0	2018-03-14	MOE E3407
			Free Cl	0.63	mg/L	0.01	2018-03-14	Field
			HPC	0	CFU/mL	0	2018-03-14	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-14	MOE E3407
36 Andrew Lane (Hydrant)	2018-03-13	535178	E.coli	0	CFU/100mL	0	2018-03-14	MOE E3407
			Free Cl	0.71	mg/L	0.01	2018-03-14	Field
			HPC	0	CFU/mL	0	2018-03-14	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-14	MOE E3407
Secord/Days Ave (Hydrant)	2018-03-13	535179	E.coli	0	CFU/100mL	0	2018-03-14	MOE E3407
			Free Cl	0.72	mg/L	0.01	2018-03-14	Field
			HPC	0	CFU/mL	0	2018-03-14	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-14	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Tel: 905-227-3535 Fax: 905-227-3666
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Work Order No.:2575567
Received : 2018-03-16
PO Number:
Reported: 2018-03-21
Project Name: Lead Samples
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
41 McFarland	2018-03-16	535370	Lead	See	Attached	N/A	2018-03-20	Subcontracted
41 McFarland	2018-03-16	535371	Lead	See	Attached	N/A	2018-03-20	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
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Work Order No.:2575591
Received : 2018-03-19
PO Number:
Reported: 2018-03-23
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
56 Andrew Lane-1	2018-03-19	535430	Lead	See	Attached	N/A	2018-03-21	Subcontracted
56 Andrew Lane-2	2018-03-19	535431	Lead	See	Attached	N/A	2018-03-21	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager



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Email:

Work Order No.:2575597
Received : 2018-03-19
PO Number:
Reported: 2018-03-23
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
44 Secord St-1	2018-03-19	535443	Lead	See	Attached	N/A	2018-03-21	Subcontracted
44 Secord St-2	2018-03-19	535444	Lead	See	Attached	N/A	2018-03-21	Subcontracted

Reported by:

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Laboratory Manager



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Work Order No.:2575767
Received : 2018-03-20
PO Number:
Reported: 2018-03-23
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-03-20	536070	E.coli	0	CFU/100mL	0	2018-03-21	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-03-21	Field
			HPC	1	CFU/mL	0	2018-03-21	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-21	MOE E3407
36 Andrew Lane (Hydrant)	2018-03-20	536071	E.coli	0	CFU/100mL	0	2018-03-21	MOE E3407
			Free Cl	0.75	mg/L	0.01	2018-03-21	Field
			HPC	4	CFU/mL	0	2018-03-21	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-21	MOE E3407
Secord/Days Ave (Hydrant)	2018-03-20	536072	E.coli	0	CFU/100mL	0	2018-03-21	MOE E3407
			Free Cl	0.70	mg/L	0.01	2018-03-21	Field
			HPC	0	CFU/mL	0	2018-03-21	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-21	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2575855
Received : 2018-03-22
PO Number:
Reported: 2018-03-29
Project Name: Winter Session 2018
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
40 Secord St	2018-03-22	536256	Lead	See	Attached	N/A	2018-03-28	Subcontracted
40 Secord St	2018-03-22	536257	Lead	See	Attached	N/A	2018-03-28	Subcontracted
20 Elliot St	2018-03-22	536258	Lead	See	Attached	N/A	2018-03-28	Subcontracted
20 Elliot St	2018-03-22	536259	Lead	See	Attached	N/A	2018-03-28	Subcontracted
1051 Niagara St	2018-03-22	536260	Lead	See	Attached	N/A	2018-03-28	Subcontracted
1051 Niagara St	2018-03-22	536261	Lead	See	Attached	N/A	2018-03-28	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
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Work Order No.:2576116
Received : 2018-03-27
PO Number:
Reported: 2018-04-02
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-03-27	537020	E.coli	0	CFU/100mL	0	2018-03-28	MOE E3407
			Free Cl	0.80	mg/L	0.01	2018-03-28	Field
			HPC	0	CFU/mL	0	2018-03-28	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-28	MOE E3407
36 Andrew Lane (Hydrant)	2018-03-27	537021	E.coli	0	CFU/100mL	0	2018-03-28	MOE E3407
			Free Cl	0.74	mg/L	0.01	2018-03-28	Field
			HPC	0	CFU/mL	0	2018-03-28	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-28	MOE E3407
Secord/Days Ave (Hydrant)	2018-03-27	537022	E.coli	0	CFU/100mL	0	2018-03-28	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-03-28	Field
			HPC	1	CFU/mL	0	2018-03-28	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-03-28	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2576134
Received : 2018-03-28
PO Number:
Reported: 2018-04-06
Project Name: Winter Lead Sampling
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
11 Eastman Gateway	2018-03-28	537095	Lead	See	Attached	N/A	2018-04-04	Subcontracted
11 Eastman Gateway	2018-03-28	537096	Lead	See	Attached	N/A	2018-04-04	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2576269
 Received : 2018-04-03
 PO Number:
 Reported: 2018-04-05
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-04-03	537549	E.coli	0	CFU/100mL	0	2018-04-03	MOE E3407
			Free Cl	0.75	mg/L	0.01	2018-04-03	Field
			HPC	0	CFU/mL	0	2018-04-03	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-03	MOE E3407
36 Andrew Lane (Hydrant)	2018-04-03	537550	E.coli	0	CFU/100mL	0	2018-04-03	MOE E3407
			Free Cl	0.73	mg/L	0.01	2018-04-03	Field
			HPC	0	CFU/mL	0	2018-04-03	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-03	MOE E3407
Secord/Days Ave (Hydrant)	2018-04-03	537551	E.coli	0	CFU/100mL	0	2018-04-03	MOE E3407
			Free Cl	0.81	mg/L	0.01	2018-04-03	Field
			HPC	0	CFU/mL	0	2018-04-03	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-03	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
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Work Order No.:2576728
Received : 2018-04-10
PO Number:
Reported: 2018-04-13
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-04-10	538880	E.coli	0	CFU/100mL	0	2018-04-11	MOE E3407
			Free Cl	0.53	mg/L	0.01	2018-04-11	Field
			HPC	0	CFU/mL	0	2018-04-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-11	MOE E3407
36 Andrew Lane (Hydrant)	2018-04-10	538881	E.coli	0	CFU/100mL	0	2018-04-11	MOE E3407
			Free Cl	0.60	mg/L	0.01	2018-04-11	Field
			HPC	1	CFU/mL	0	2018-04-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-11	MOE E3407
Secord/Days Ave (Hydrant)	2018-04-10	538882	E.coli	0	CFU/100mL	0	2018-04-11	MOE E3407
			Free Cl	0.66	mg/L	0.01	2018-04-11	Field
			HPC	0	CFU/mL	0	2018-04-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-11	MOE E3407

Reported by:

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Laboratory Manager

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Work Order No.:2576912
Received : 2018-04-17
PO Number:
Reported: 2018-04-20
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-04-17	539553	E.coli	0	CFU/100mL	0	2018-04-18	MOE E3407
			Free Cl	0.70	mg/L	0.01	2018-04-18	Field
			HPC	1	CFU/mL	0	2018-04-18	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-18	MOE E3407
36 Andrew Lane (Hydrant)	2018-04-17	539554	E.coli	0	CFU/100mL	0	2018-04-18	MOE E3407
			Free Cl	0.74	mg/L	0.01	2018-04-18	Field
			HPC	0	CFU/mL	0	2018-04-18	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-18	MOE E3407
Secord/Days Ave (Hydrant)	2018-04-17	539555	E.coli	0	CFU/100mL	0	2018-04-18	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-04-18	Field
			HPC	0	CFU/mL	0	2018-04-18	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-18	MOE E3407

Reported by:

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Laboratory Manager

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Work Order No.:2577046
 Received : 2018-04-19
 PO Number:
 Reported: 2018-04-23
 Project Name: Port Robinson Trunk Main
 Set #1
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	
	Date	Lab ID					Analyzed	Method
Supply @ Start	2018-04-19	539819	E.coli	0	CFU/100mL	0	2018-04-19	MOE E3407
			Free Cl	0.96	mg/L	0.01	2018-04-19	Field
			HPC	0	CFU/mL	0	2018-04-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-19	MOE E3407
Chamber #2	2018-04-19	539820	E.coli	0	CFU/100mL	0	2018-04-19	MOE E3407
			Free Cl	0.89	mg/L	0.01	2018-04-19	Field
			HPC	0	CFU/mL	0	2018-04-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-19	MOE E3407
Hydrant Kottemeir	2018-04-19	539821	E.coli	0	CFU/100mL	0	2018-04-19	MOE E3407
			Free Cl	1.05	mg/L	0.01	2018-04-19	Field
			HPC	0	CFU/mL	0	2018-04-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-19	MOE E3407
Blow Off Kottemeir	2018-04-19	539822	E.coli	0	CFU/100mL	0	2018-04-19	MOE E3407
			Free Cl	0.93	mg/L	0.01	2018-04-19	Field
			HPC	0	CFU/mL	0	2018-04-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-19	MOE E3407
Blow Off East	2018-04-19	539823	E.coli	0	CFU/100mL	0	2018-04-19	MOE E3407
			Free Cl	1.03	mg/L	0.01	2018-04-19	Field
			HPC	0	CFU/mL	0	2018-04-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-19	MOE E3407
Blow Off West	2018-04-19	539824	E.coli	0	CFU/100mL	0	2018-04-19	MOE E3407
			Free Cl	1.05	mg/L	0.01	2018-04-19	Field
			HPC	0	CFU/mL	0	2018-04-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-19	MOE E3407
Blow Off North	2018-04-19	539825	E.coli	0	CFU/100mL	0	2018-04-19	MOE E3407
			Free Cl	1.07	mg/L	0.01	2018-04-19	Field
			HPC	0	CFU/mL	0	2018-04-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-19	MOE E3407

Reported by:

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Work Order No.:2577051
 Received : 2018-04-20
 PO Number:
 Reported: 2018-04-23
 Project Name: Port Robinson Trunk Main
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	
	Date	Lab ID					Analyzed	Method
Set #2								
Supply @ Start	2018-04-20	539838	E.coli	0	CFU/100mL	0	2018-04-20	MOE E3407
			Free Cl	0.73	mg/L	0.01	2018-04-20	Field
			HPC	0	CFU/mL	0	2018-04-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-20	MOE E3407
Chamber #2	2018-04-20	539839	E.coli	0	CFU/100mL	0	2018-04-20	MOE E3407
			Free Cl	0.96	mg/L	0.01	2018-04-20	Field
			HPC	0	CFU/mL	0	2018-04-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-20	MOE E3407
Hydrant Kotteimeir	2018-04-20	539840	E.coli	0	CFU/100mL	0	2018-04-20	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-04-20	Field
			HPC	0	CFU/mL	0	2018-04-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-20	MOE E3407
Blow Off Kotteimeir	2018-04-20	539841	E.coli	0	CFU/100mL	0	2018-04-20	MOE E3407
			Free Cl	0.85	mg/L	0.01	2018-04-20	Field
			HPC	0	CFU/mL	0	2018-04-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-20	MOE E3407
Blow Off East	2018-04-20	539842	E.coli	0	CFU/100mL	0	2018-04-20	MOE E3407
			Free Cl	0.94	mg/L	0.01	2018-04-20	Field
			HPC	0	CFU/mL	0	2018-04-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-20	MOE E3407
Blow Off West	2018-04-20	539843	E.coli	0	CFU/100mL	0	2018-04-20	MOE E3407
			Free Cl	0.97	mg/L	0.01	2018-04-20	Field
			HPC	0	CFU/mL	0	2018-04-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-20	MOE E3407
Blow Off North	2018-04-20	539844	E.coli	0	CFU/100mL	0	2018-04-20	MOE E3407
			Free Cl	1.01	mg/L	0.01	2018-04-20	Field
			HPC	1	CFU/mL	0	2018-04-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-20	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
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CERTIFICATE OF ANALYSIS

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Fax: 905-227-3666
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Work Order No.:2577238
Received : 2018-04-24
PO Number:
Reported: 2018-04-27
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-04-24	540495	E.coli	0	CFU/100mL	0	2018-04-25	MOE E3407
			Free Cl	0.79	mg/L	0.01	2018-04-25	Field
			HPC	1	CFU/mL	0	2018-04-25	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-25	MOE E3407
36 Andrew Lane (Hydrant)	2018-04-24	540496	E.coli	0	CFU/100mL	0	2018-04-25	MOE E3407
			Free Cl	0.64	mg/L	0.01	2018-04-25	Field
			HPC	0	CFU/mL	0	2018-04-25	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-25	MOE E3407
Secord/Days Ave (Hydrant)	2018-04-24	540497	E.coli	0	CFU/100mL	0	2018-04-25	MOE E3407
			Free Cl	0.74	mg/L	0.01	2018-04-25	Field
			HPC	0	CFU/mL	0	2018-04-25	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-04-25	MOE E3407

Reported by:

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Work Order No.:2577556
Received : 2018-05-01
PO Number:
Reported: 2018-05-04
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-05-01	541464	E.coli	0	CFU/100mL	0	2018-05-02	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-05-02	Field
			HPC	0	CFU/mL	0	2018-05-02	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-02	MOE E3407
36 Andrew Lane (Hydrant)	2018-05-01	541465	E.coli	0	CFU/100mL	0	2018-05-02	MOE E3407
			Free Cl	0.64	mg/L	0.01	2018-05-02	Field
			HPC	1	CFU/mL	0	2018-05-02	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-02	MOE E3407
Secord/Days Ave (Hydrant)	2018-05-01	541466	E.coli	0	CFU/100mL	0	2018-05-02	MOE E3407
			Free Cl	0.60	mg/L	0.01	2018-05-02	Field
			HPC	0	CFU/mL	0	2018-05-02	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-02	MOE E3407

Reported by:

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Work Order No.:2577699
Received : 2018-05-08
PO Number:
Reported: 2018-05-18
Project Name: Quarterly Samples
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
Hansler Rd	2018-05-08	541863	HAA (Haloacetic Acid)	See	Attached	N/A	2018-05-17	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2577700
Received : 2018-05-08
PO Number:
Reported: 2018-05-15
Project Name: Quarterly Samples
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
36 Andrew Lane (Hyd)	2018-05-08	541864	Trihalomethanes	See	Attached	N/A	2018-05-14	Subcontracted

Reported by:

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Work Order No.:2577843
Received : 2018-05-08
PO Number:
Reported: 2018-05-11
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-05-08	542403	E.coli	0	CFU/100mL	0	2018-05-09	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-05-09	Field
			HPC	1	CFU/mL	0	2018-05-09	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-09	MOE E3407
36 Andrew Lane (Hydrant)	2018-05-08	542404	E.coli	0	CFU/100mL	0	2018-05-09	MOE E3407
			Free Cl	0.67	mg/L	0.01	2018-05-09	Field
			HPC	0	CFU/mL	0	2018-05-09	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-09	MOE E3407
Secord/Days Ave (Hydrant)	2018-05-08	542405	E.coli	0	CFU/100mL	0	2018-05-09	MOE E3407
			Free Cl	0.62	mg/L	0.01	2018-05-09	Field
			HPC	0	CFU/mL	0	2018-05-09	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-09	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2578159
Received : 2018-05-15
PO Number:
Reported: 2018-05-18
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-05-15	543367	E.coli	0	CFU/100mL	0	2018-05-16	MOE E3407
			Free Cl	0.52	mg/L	0.01	2018-05-16	Field
			HPC	0	CFU/mL	0	2018-05-16	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-16	MOE E3407
36 Andrew Lane (Hydrant)	2018-05-15	543368	E.coli	0	CFU/100mL	0	2018-05-16	MOE E3407
			Free Cl	0.61	mg/L	0.01	2018-05-16	Field
			HPC	1	CFU/mL	0	2018-05-16	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-16	MOE E3407
Secord/Days Ave (Hydrant)	2018-05-15	543369	E.coli	0	CFU/100mL	0	2018-05-16	MOE E3407
			Free Cl	0.65	mg/L	0.01	2018-05-16	Field
			HPC	0	CFU/mL	0	2018-05-16	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-16	MOE E3407

Reported by:

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Work Order No.:2578320
Received : 2018-05-22
PO Number:
Reported: 2018-05-24
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-05-22	543747	E.coli	0	CFU/100mL	0	2018-05-22	MOE E3407
			Free Cl	0.71	mg/L	0.01	2018-05-22	Field
			HPC	0	CFU/mL	0	2018-05-22	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-22	MOE E3407
36 Andrew Lane (Hydrant)	2018-05-22	543748	E.coli	0	CFU/100mL	0	2018-05-22	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-05-22	Field
			HPC	0	CFU/mL	0	2018-05-22	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-22	MOE E3407
Secord/Days Ave (Hydrant)	2018-05-22	543749	E.coli	0	CFU/100mL	0	2018-05-22	MOE E3407
			Free Cl	0.62	mg/L	0.01	2018-05-22	Field
			HPC	0	CFU/mL	0	2018-05-22	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-22	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2578659
 Received : 2018-05-29
 PO Number:
 Reported: 2018-05-31
 Project Name: Port Robinson Estates
 Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Set #1								
Lot #322	2018-05-29	544820	E.coli	0	CFU/100mL	0	2018-05-29	MOE E3407
			Free Cl	0.67	mg/L	0.01	2018-05-29	Field
			HPC	0	CFU/mL	0	2018-05-29	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-29	MOE E3407
Stub Lot #3	2018-05-29	544821	E.coli	0	CFU/100mL	0	2018-05-29	MOE E3407
			Free Cl	0.67	mg/L	0.01	2018-05-29	Field
			HPC	0	CFU/mL	0	2018-05-29	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-29	MOE E3407
Stub Block 403 Unit #2	2018-05-29	544822	E.coli	0	CFU/100mL	0	2018-05-29	MOE E3407
			Free Cl	0.71	mg/L	0.01	2018-05-29	Field
			HPC	1	CFU/mL	0	2018-05-29	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-29	MOE E3407
Stub Block 407 Unit #5	2018-05-29	544823	E.coli	0	CFU/100mL	0	2018-05-29	MOE E3407
			Free Cl	0.78	mg/L	0.01	2018-05-29	Field
			HPC	0	CFU/mL	0	2018-05-29	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-29	MOE E3407
Stub Lot #42	2018-05-29	544824	E.coli	0	CFU/100mL	0	2018-05-29	MOE E3407
			Free Cl	0.76	mg/L	0.01	2018-05-29	Field
			HPC	2	CFU/mL	0	2018-05-29	APHA 9215
			Total Coliforms	>200	CFU/100mL	0	2018-05-29	MOE E3407
Stub by Empire Office	2018-05-29	544825	E.coli	0	CFU/100mL	0	2018-05-29	MOE E3407
			Free Cl	0.58	mg/L	0.01	2018-05-29	Field
			HPC	1	CFU/mL	0	2018-05-29	APHA 9215
			Total Coliforms	6	CFU/100mL	0	2018-05-29	MOE E3407

Reported by:

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Work Order No.:2578708
 Received : 2018-05-29
 PO Number:
 Reported: 2018-06-01
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-05-29	545023	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.78	mg/L	0.01	2018-05-30	Field
			HPC	1	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
36 Andrew Lane (Hydrant)	2018-05-29	545024	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.86	mg/L	0.01	2018-05-30	Field
			HPC	0	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
Secord/Days Ave (Hydrant)	2018-05-29	545025	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.76	mg/L	0.01	2018-05-30	Field
			HPC	1	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407

Reported by:

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Work Order No.:2578739
 Received : 2018-05-30
 PO Number:
 Reported: 2018-06-01
 Project Name: Port Robinson Estates
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	
	Date	Lab ID					Analyzed	Method
Set #2 Part A								
Lot #322	2018-05-30	545123	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-05-30	Field
			HPC	0	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
Stub Lot #3	2018-05-30	545124	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.57	mg/L	0.01	2018-05-30	Field
			HPC	0	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
Stub Block 403 Unit #2	2018-05-30	545125	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.63	mg/L	0.01	2018-05-30	Field
			HPC	0	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
Stub Block 407 Unit #5	2018-05-30	545126	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.61	mg/L	0.01	2018-05-30	Field
			HPC	0	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
Stub Lot #42	2018-05-30	545127	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.56	mg/L	0.01	2018-05-30	Field
			HPC	25	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
Stub by Empire Office	2018-05-30	545128	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.44	mg/L	0.01	2018-05-30	Field
			HPC	0	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager

Page 1 of 1

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Work Order No.:2578740
 Received : 2018-05-30
 PO Number:
 Reported: 2018-06-01
 Project Name: Port Robinson Estates
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	
	Date	Lab ID					Analyzed	Method
Set #1 Part B								
Lot #253 Haney	2018-05-30	545129	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.80	mg/L	0.01	2018-05-30	Field
			HPC	0	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
Stub Lot #248 Legacy	2018-05-30	545130	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.43	mg/L	0.01	2018-05-30	Field
			HPC	0	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
Whip @ 286	2018-05-30	545131	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-05-30	Field
			HPC	1	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407
Lot #43	2018-05-30	545132	E.coli	0	CFU/100mL	0	2018-05-30	MOE E3407
			Free Cl	0.85	mg/L	0.01	2018-05-30	Field
			HPC	0	CFU/mL	0	2018-05-30	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-30	MOE E3407

Reported by:

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CERTIFICATE OF ANALYSIS

Thorold (South End of Thorold) Distribution System
 Joe Colasurdo
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Fax: 905-227-3666
Email:

Work Order No.:2578804
 Received : 2018-05-31
 PO Number:
 Reported: 2018-06-04
 Project Name: Port Robinson Estates
 Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Set #3 Part A								
Lot #322	2018-05-31	545232	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-05-31	Field
			HPC	2	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407
Stub Lot #3	2018-05-31	545233	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.31	mg/L	0.01	2018-05-31	Field
			HPC	0	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407
Stub Block 403 Unit #2	2018-05-31	545234	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.41	mg/L	0.01	2018-05-31	Field
			HPC	0	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407
Stub Block 407 Unit #5	2018-05-31	545235	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.39	mg/L	0.01	2018-05-31	Field
			HPC	0	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407
Stub Lot #42	2018-05-31	545236	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.33	mg/L	0.01	2018-05-31	Field
			HPC	15	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407
Stub by Empire Office	2018-05-31	545237	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.58	mg/L	0.01	2018-05-31	Field
			HPC	0	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager

**E3 Laboratories Inc.**

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Work Order No.:2578805
 Received : 2018-05-31
 PO Number:
 Reported: 2018-06-04
 Project Name: Port Robinson Estates
 Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Set 2 Part B								
Lot #253	2018-05-31	545238	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.47	mg/L	0.01	2018-05-31	Field
			HPC	1	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407
Stub Lot #248 Legacy	2018-05-31	545239	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.30	mg/L	0.01	2018-05-31	Field
			HPC	12	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407
Whip @ 286	2018-05-31	545240	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.76	mg/L	0.01	2018-05-31	Field
			HPC	4	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407
Lot #43	2018-05-31	545241	E.coli	0	CFU/100mL	0	2018-05-31	MOE E3407
			Free Cl	0.47	mg/L	0.01	2018-05-31	Field
			HPC	29	CFU/mL	0	2018-05-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-05-31	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
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Work Order No.:2579026
Received : 2018-06-05
PO Number:
Reported: 2018-06-08
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-06-05	545973	E.coli	0	CFU/100mL	0	2018-06-06	MOE E3407
			Free Cl	0.63	mg/L	0.01	2018-06-06	Field
			HPC	0	CFU/mL	0	2018-06-06	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-06	MOE E3407
Andrew Lane (Hydrant)	2018-06-05	545974	E.coli	0	CFU/100mL	0	2018-06-06	MOE E3407
			Free Cl	0.73	mg/L	0.01	2018-06-06	Field
			HPC	16	CFU/mL	0	2018-06-06	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-06	MOE E3407
Secord/Days Ave (Hydrant)	2018-06-05	545975	E.coli	0	CFU/100mL	0	2018-06-06	MOE E3407
			Free Cl	0.67	mg/L	0.01	2018-06-06	Field
			HPC	1	CFU/mL	0	2018-06-06	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-06	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2579098
Received : 2018-06-07
PO Number:
Reported: 2018-06-08
Project Name: Port Robinson Estates
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
Kottimer at Vaughn								
Upstrm- Fire Hyd.	2018-06-07	546111	E.coli	0	CFU/100mL	0	2018-06-07	MOE E3407
			Free Cl	0.43	mg/L	0.01	2018-06-07	Field
			Total Coliforms	0	CFU/100mL	0	2018-06-07	MOE E3407
<hr/>								
Downstrm-Fire Hyd.	2018-06-07	546112	E.coli	0	CFU/100mL	0	2018-06-07	MOE E3407
			Free Cl	0.38	mg/L	0.01	2018-06-07	Field
			Total Coliforms	0	CFU/100mL	0	2018-06-07	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2579127
Received : 2018-06-08
PO Number:
Reported: 2018-06-11
Project Name: Port Robinson Estates
Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Kottmeier at Alexandra Dr.								
Upstrm- Fire Hyd.	2018-06-08	546187	E.coli	0	CFU/100mL	0	2018-06-08	MOE E3407
			Free Cl	0.35	mg/L	0.01	2018-06-08	Field
			Total Coliforms	0	CFU/100mL	0	2018-06-08	MOE E3407
Downstrm-Fire Hyd.	2018-06-08	546188	E.coli	0	CFU/100mL	0	2018-06-08	MOE E3407
			Free Cl	0.42	mg/L	0.01	2018-06-08	Field
			Total Coliforms	0	CFU/100mL	0	2018-06-08	MOE E3407

Reported by:

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Work Order No.:2579147
Received : 2018-06-11
PO Number:
Reported: 2018-06-13
Project Name: Port Robinson Estates
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
Connection #1								
Singer Ave (Downstream)	2018-06-11	546241	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.92	mg/L	0.01	2018-06-11	Field
			HPC	0	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407
Singer Ave (Upstrm)	2018-06-11	546242	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.55	mg/L	0.01	2018-06-11	Field
			HPC	16	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2579148
Received : 2018-06-11
PO Number:
Reported: 2018-06-13
Project Name: Port Robinson Estates
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	
	Date	Lab ID					Analyzed	Method
Connection #2								
Darling Ave (Downstream)	2018-06-11	546243	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.86	mg/L	0.01	2018-06-11	Field
			HPC	0	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407
Singer Ave (Upstrm)	2018-06-11	546244	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.93	mg/L	0.01	2018-06-11	Field
			HPC	0	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager



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Work Order No.:2579150
Received : 2018-06-11
PO Number:
Reported: 2018-06-13
Project Name: Port Robinson Estates
Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Connection #3								
Esther Cir Lot #405 (Dwnstrr)	2018-06-11	546248	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.97	mg/L	0.01	2018-06-11	Field
			HPC	0	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407
Darling Ave (Upstrm)	2018-06-11	546249	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.88	mg/L	0.01	2018-06-11	Field
			HPC	0	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2579152
Received : 2018-06-11
PO Number:
Reported: 2018-06-13
Project Name: Port Robinson Estates
Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Connection #4								
Esther Cir (Upstrm) Blowoff	2018-06-11	546252	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.88	mg/L	0.01	2018-06-11	Field
			HPC	8	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407
Esther Cir Lot (Dwnstrm) Lo	2018-06-11	546253	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.92	mg/L	0.01	2018-06-11	Field
			HPC	0	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2579164
Received : 2018-06-11
PO Number:
Reported: 2018-06-13
Project Name: Port Robinson Estates
Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Connection #5								
Esther Cir (Upstrm) Blowoff	2018-06-11	546284	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.91	mg/L	0.01	2018-06-11	Field
			HPC	4	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407
Andrew Tail (Dwnstrm) Lot #	2018-06-11	546285	E.coli	0	CFU/100mL	0	2018-06-11	MOE E3407
			Free Cl	0.92	mg/L	0.01	2018-06-11	Field
			HPC	0	CFU/mL	0	2018-06-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-11	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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CERTIFICATE OF ANALYSIS

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Work Order No.:2579341
Received : 2018-06-12
PO Number:
Reported: 2018-06-15
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-06-12	546921	E.coli	0	CFU/100mL	0	2018-06-13	MOE E3407
			Free Cl	0.77	mg/L	0.01	2018-06-13	Field
			HPC	0	CFU/mL	0	2018-06-13	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-13	MOE E3407
Andrew Lane (Hydrant)	2018-06-12	546922	E.coli	0	CFU/100mL	0	2018-06-13	MOE E3407
			Free Cl	0.94	mg/L	0.01	2018-06-13	Field
			HPC	5	CFU/mL	0	2018-06-13	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-13	MOE E3407
Secord/Days Ave (Hydrant)	2018-06-12	546923	E.coli	0	CFU/100mL	0	2018-06-13	MOE E3407
			Free Cl	0.91	mg/L	0.01	2018-06-13	Field
			HPC	0	CFU/mL	0	2018-06-13	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-13	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2579580
 Received : 2018-06-19
 PO Number:
 Reported: 2018-06-21
 Project Name: Merrit Meadows
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	
	Date	Lab ID					Analyzed	Method
Phase #3 Set#1								
Test whip #1	2018-06-19	547649	E.coli	0	CFU/100mL	0	2018-06-19	MOE E3407
			Free Cl	0.78	mg/L	0.01	2018-06-19	Field
			HPC	0	CFU/mL	0	2018-06-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-19	MOE E3407
Test whip #2	2018-06-19	547650	E.coli	0	CFU/100mL	0	2018-06-19	MOE E3407
			Free Cl	0.93	mg/L	0.01	2018-06-19	Field
			HPC	0	CFU/mL	0	2018-06-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-19	MOE E3407
Test whip #3	2018-06-19	547651	E.coli	0	CFU/100mL	0	2018-06-19	MOE E3407
			Free Cl	0.75	mg/L	0.01	2018-06-19	Field
			HPC	0	CFU/mL	0	2018-06-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-19	MOE E3407
Test whip #4	2018-06-19	547652	E.coli	0	CFU/100mL	0	2018-06-19	MOE E3407
			Free Cl	0.84	mg/L	0.01	2018-06-19	Field
			HPC	2	CFU/mL	0	2018-06-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-19	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager

Page 1 of 1

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Work Order No.:2579632
 Received : 2018-06-19
 PO Number:
 Reported: 2018-06-22
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-06-19	547812	E.coli	0	CFU/100mL	0	2018-06-20	MOE E3407
			Free Cl	0.77	mg/L	0.01	2018-06-20	Field
			HPC	1	CFU/mL	0	2018-06-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-20	MOE E3407
Andrew Lane (Hydrant)	2018-06-19	547813	E.coli	0	CFU/100mL	0	2018-06-20	MOE E3407
			Free Cl	0.84	mg/L	0.01	2018-06-20	Field
			HPC	19	CFU/mL	0	2018-06-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-20	MOE E3407
Secord/Days Ave (Hydrant)	2018-06-19	547814	E.coli	0	CFU/100mL	0	2018-06-20	MOE E3407
			Free Cl	0.74	mg/L	0.01	2018-06-20	Field
			HPC	1	CFU/mL	0	2018-06-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-20	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager



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Joe Colasurdo
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Work Order No.:2579641
Received : 2018-06-20
PO Number:
Reported: 2018-06-22
Project Name: Merritt Meadows
Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Phase#3 Set#2								
Test Whip #1	2018-06-20	547873	E.coli	0	CFU/100mL	0	2018-06-20	MOE E3407
			Free Cl	0.32	mg/L	0.01	2018-06-20	Field
			HPC	0	CFU/mL	0	2018-06-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-20	MOE E3407
Test Whip #2	2018-06-20	547874	E.coli	0	CFU/100mL	0	2018-06-20	MOE E3407
			Free Cl	0.74	mg/L	0.01	2018-06-20	Field
			HPC	0	CFU/mL	0	2018-06-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-20	MOE E3407
Test Whip #3	2018-06-20	547875	E.coli	0	CFU/100mL	0	2018-06-20	MOE E3407
			Free Cl	0.62	mg/L	0.01	2018-06-20	Field
			HPC	0	CFU/mL	0	2018-06-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-20	MOE E3407
Test Whip #4	2018-06-20	547876	E.coli	0	CFU/100mL	0	2018-06-20	MOE E3407
			Free Cl	0.72	mg/L	0.01	2018-06-20	Field
			HPC	0	CFU/mL	0	2018-06-20	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-20	MOE E3407

Reported by:

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Work Order No.:2579929
Received : 2018-06-26
PO Number:
Reported: 2018-06-29
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-06-26	548850	E.coli	0	CFU/100mL	0	2018-06-27	MOE E3407
			Free Cl	0.70	mg/L	0.01	2018-06-27	Field
			HPC	0	CFU/mL	0	2018-06-27	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-27	MOE E3407
Andrew Lane (Hydrant)	2018-06-26	548851	E.coli	0	CFU/100mL	0	2018-06-27	MOE E3407
			Free Cl	0.67	mg/L	0.01	2018-06-27	Field
			HPC	23	CFU/mL	0	2018-06-27	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-27	MOE E3407
Secord/Days Ave (Hydrant)	2018-06-26	548852	E.coli	0	CFU/100mL	0	2018-06-27	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-06-27	Field
			HPC	0	CFU/mL	0	2018-06-27	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-06-27	MOE E3407

Reported by:

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Work Order No.:2580297
Received : 2018-07-03
PO Number:
Reported: 2018-07-06
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-07-03	549930	E.coli	0	CFU/100mL	0	2018-07-04	MOE E3407
			Free Cl	0.76	mg/L	0.01	2018-07-04	Field
			HPC	0	CFU/mL	0	2018-07-04	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-04	MOE E3407
Andrew Lane (Hydrant)	2018-07-03	549931	E.coli	0	CFU/100mL	0	2018-07-04	MOE E3407
			Free Cl	0.80	mg/L	0.01	2018-07-04	Field
			HPC	0	CFU/mL	0	2018-07-04	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-04	MOE E3407
Secord/Days Ave (Hydrant)	2018-07-03	549932	E.coli	0	CFU/100mL	0	2018-07-04	MOE E3407
			Free Cl	0.78	mg/L	0.01	2018-07-04	Field
			HPC	0	CFU/mL	0	2018-07-04	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-04	MOE E3407

Reported by:

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Laboratory Manager

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Work Order No.:2580307
Received : 2018-07-04
PO Number:
Reported: 2018-07-06
Project Name: Merritt Meadows
Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Connection #1 Phase 3								
Upstrm 24 Eastman Gate	2018-07-04	550003	E.coli	0	CFU/100mL	0	2018-07-04	MOE E3407
			Free Cl	0.48	mg/L	0.01	2018-07-04	Field
			HPC	0	CFU/mL	0	2018-07-04	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-04	MOE E3407
Dwnstrm Lot 23 McFarland §								
2018-07-04 550004	2018-07-04	550004	E.coli	0	CFU/100mL	0	2018-07-04	MOE E3407
			Free Cl	0.72	mg/L	0.01	2018-07-04	Field
			HPC	0	CFU/mL	0	2018-07-04	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-04	MOE E3407

Reported by:

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Laboratory Manager

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Work Order No.:2580308
Received : 2018-07-04
PO Number:
Reported: 2018-07-06
Project Name: Merritt Meadows
Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Connection #2 Phase #3								
Dwnstrm Lot 32 Singer (Hy	2018-07-04	550005	E.coli	0	CFU/100mL	0	2018-07-04	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-07-04	Field
			HPC	280	CFU/mL	0	2018-07-04	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-04	MOE E3407
Upstrm Lot 43 Singer (Hyd)								
Upstrm Lot 43 Singer (Hyd)	2018-07-04	550006	E.coli	0	CFU/100mL	0	2018-07-04	MOE E3407
			Free Cl	0.70	mg/L	0.01	2018-07-04	Field
			HPC	0	CFU/mL	0	2018-07-04	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-04	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
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Work Order No.:2580309
Received : 2018-07-04
PO Number:
Reported: 2018-07-06
Project Name: Merritt Meadows
Chain of Custody No.:

Client Sample ID	Sample Date	Lab ID	Parameter	Result	Unit	RDL	Date Analyzed	Method
Connection #3 Phase #3								
Dwnstrm Hyd Lot 10 Elliot St	2018-07-04	550007	E.coli	0	CFU/100mL	0	2018-07-04	MOE E3407
			Free Cl	0.78	mg/L	0.01	2018-07-04	Field
			HPC	0	CFU/mL	0	2018-07-04	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-04	MOE E3407
Upstrm Hyd Lot 165 Campbe								
	2018-07-04	550008	E.coli	0	CFU/100mL	0	2018-07-04	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-07-04	Field
			HPC	4	CFU/mL	0	2018-07-04	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-04	MOE E3407

Reported by:

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Work Order No.:2580556
Received : 2018-07-10
PO Number:
Reported: 2018-07-13
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-07-10	550857	E.coli	0	CFU/100mL	0	2018-07-11	MOE E3407
			Free Cl	0.71	mg/L	0.01	2018-07-11	Field
			HPC	0	CFU/mL	0	2018-07-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-11	MOE E3407
Andrew Lane (Hydrant)	2018-07-10	550858	E.coli	0	CFU/100mL	0	2018-07-11	MOE E3407
			Free Cl	0.70	mg/L	0.01	2018-07-11	Field
			HPC	10	CFU/mL	0	2018-07-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-11	MOE E3407
Secord/Days Ave (Hydrant)	2018-07-10	550859	E.coli	0	CFU/100mL	0	2018-07-11	MOE E3407
			Free Cl	0.85	mg/L	0.01	2018-07-11	Field
			HPC	0	CFU/mL	0	2018-07-11	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-11	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2580861
Received : 2018-07-17
PO Number:
Reported: 2018-07-20
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-07-17	551760	E.coli	0	CFU/100mL	0	2018-07-18	MOE E3407
			Free Cl	0.64	mg/L	0.01	2018-07-18	Field
			HPC	0	CFU/mL	0	2018-07-18	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-18	MOE E3407
Andrew Lane (Hydrant)	2018-07-17	551761	E.coli	0	CFU/100mL	0	2018-07-18	MOE E3407
			Free Cl	0.59	mg/L	0.01	2018-07-18	Field
			HPC	37	CFU/mL	0	2018-07-18	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-18	MOE E3407
Secord/Days Ave (Hydrant)	2018-07-17	551762	E.coli	0	CFU/100mL	0	2018-07-18	MOE E3407
			Free Cl	0.77	mg/L	0.01	2018-07-18	Field
			HPC	1	CFU/mL	0	2018-07-18	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-18	MOE E3407

Reported by:

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Laboratory Manager

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Work Order No.:2581184
 Received : 2018-07-24
 PO Number:
 Reported: 2018-07-27
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-07-24	552769	E.coli	0	CFU/100mL	0	2018-07-25	MOE E3407
			Free Cl	0.57	mg/L	0.01	2018-07-25	Field
			HPC	1	CFU/mL	0	2018-07-25	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-25	MOE E3407
Andrew Lane (Hydrant)	2018-07-24	552770	E.coli	0	CFU/100mL	0	2018-07-25	MOE E3407
			Free Cl	0.62	mg/L	0.01	2018-07-25	Field
			HPC	0	CFU/mL	0	2018-07-25	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-25	MOE E3407
Secord/Days Ave (Hydrant)	2018-07-24	552771	E.coli	0	CFU/100mL	0	2018-07-25	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-07-25	Field
			HPC	1	CFU/mL	0	2018-07-25	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-07-25	MOE E3407

Reported by:

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Work Order No.:2581496
Received : 2018-07-31
PO Number:
Reported: 2018-08-03
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-07-31	553774	E.coli	0	CFU/100mL	0	2018-08-01	MOE E3407
			Free Cl	0.66	mg/L	0.01	2018-08-01	Field
			HPC	0	CFU/mL	0	2018-08-01	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-01	MOE E3407
Andrew Lane (Hydrant)	2018-07-31	553775	E.coli	0	CFU/100mL	0	2018-08-01	MOE E3407
			Free Cl	0.77	mg/L	0.01	2018-08-01	Field
			HPC	6	CFU/mL	0	2018-08-01	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-01	MOE E3407
Secord/Days Ave (Hydrant)	2018-07-31	553776	E.coli	0	CFU/100mL	0	2018-08-01	MOE E3407
			Free Cl	0.79	mg/L	0.01	2018-08-01	Field
			HPC	2	CFU/mL	0	2018-08-01	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-01	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2581877
Received : 2018-08-07
PO Number:
Reported: 2018-08-10
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-08-07	554922	E.coli	0	CFU/100mL	0	2018-08-08	MOE E3407
			Free Cl	0.94	mg/L	0.01	2018-08-08	Field
			HPC	0	CFU/mL	0	2018-08-08	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-08	MOE E3407
Andrew Lane (Hydrant)	2018-08-07	554923	E.coli	0	CFU/100mL	0	2018-08-08	MOE E3407
			Free Cl	0.72	mg/L	0.01	2018-08-08	Field
			HPC	0	CFU/mL	0	2018-08-08	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-08	MOE E3407
Secord/Days Ave (Hydrant)	2018-08-07	554924	E.coli	0	CFU/100mL	0	2018-08-08	MOE E3407
			Free Cl	0.61	mg/L	0.01	2018-08-08	Field
			HPC	11	CFU/mL	0	2018-08-08	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-08	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
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Work Order No.:2582082
Received : 2018-08-14
PO Number:
Reported: 2018-08-17
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-08-14	555689	E.coli	0	CFU/100mL	0	2018-08-15	MOE E3407
			Free Cl	0.57	mg/L	0.01	2018-08-15	Field
			HPC	0	CFU/mL	0	2018-08-15	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-15	MOE E3407
Andrew Lane (Hydrant)	2018-08-14	555690	E.coli	0	CFU/100mL	0	2018-08-15	MOE E3407
			Free Cl	0.63	mg/L	0.01	2018-08-15	Field
			HPC	2	CFU/mL	0	2018-08-15	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-15	MOE E3407
Secord/Days Ave (Hydrant)	2018-08-14	555691	E.coli	0	CFU/100mL	0	2018-08-15	MOE E3407
			Free Cl	0.66	mg/L	0.01	2018-08-15	Field
			HPC	9	CFU/mL	0	2018-08-15	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-15	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Thorold (South End of Thorold) Distribution System
Steve Santo
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Thorold
L2V 4A7
Tel: 905-227-3535 Fax: 905-227-3666
Email:

Work Order No.:2582300
Received : 2018-08-22
PO Number:
Reported: 2018-08-29
Project Name: THMs
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
36 Andrew Lane (Hyd)	2018-08-22	556423	Trihalomethanes	See	Attached	N/A	2018-08-28	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager



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Work Order No.:2582303
Received : 2018-08-22
PO Number:
Reported: 2018-09-04
Project Name: HAA
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
Hansler Rd	2018-08-22	556426	HAA (Haloacetic Acid)	See	Attached	N/A	2018-08-31	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Fax: 905-227-3666
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Work Order No.:2582369
 Received : 2018-08-21
 PO Number:
 Reported: 2018-08-24
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-08-21	556650	E.coli	0	CFU/100mL	0	2018-08-22	MOE E3407
			Free Cl	0.56	mg/L	0.01	2018-08-22	Field
			HPC	0	CFU/mL	0	2018-08-22	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-22	MOE E3407
Andrew Lane (Hydrant)	2018-08-21	556651	E.coli	0	CFU/100mL	0	2018-08-22	MOE E3407
			Free Cl	0.67	mg/L	0.01	2018-08-22	Field
			HPC	2	CFU/mL	0	2018-08-22	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-22	MOE E3407
Secord/Days Ave (Hydrant)	2018-08-21	556652	E.coli	0	CFU/100mL	0	2018-08-22	MOE E3407
			Free Cl	0.61	mg/L	0.01	2018-08-22	Field
			HPC	1	CFU/mL	0	2018-08-22	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-22	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager



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Work Order No.:2582668
Received : 2018-08-28
PO Number:
Reported: 2018-08-31
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-08-28	557596	E.coli	0	CFU/100mL	0	2018-08-29	MOE E3407
			Free Cl	0.61	mg/L	0.01	2018-08-29	Field
			HPC	1	CFU/mL	0	2018-08-29	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-29	MOE E3407
Andrew Lane (Hydrant)	2018-08-28	557597	E.coli	0	CFU/100mL	0	2018-08-29	MOE E3407
			Free Cl	0.56	mg/L	0.01	2018-08-29	Field
			HPC	0	CFU/mL	0	2018-08-29	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-29	MOE E3407
Secord/Days Ave (Hydrant)	2018-08-28	557598	E.coli	0	CFU/100mL	0	2018-08-29	MOE E3407
			Free Cl	0.62	mg/L	0.01	2018-08-29	Field
			HPC	6	CFU/mL	0	2018-08-29	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-08-29	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2582926
 Received : 2018-09-04
 PO Number:
 Reported: 2018-09-07
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-09-04	558412	E.coli	0	CFU/100mL	0	2018-09-05	MOE E3407
			Free Cl	0.52	mg/L	0.01	2018-09-05	Field
			HPC	0	CFU/mL	0	2018-09-05	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-05	MOE E3407
Andrew Lane (Hydrant)	2018-09-04	558413	E.coli	0	CFU/100mL	0	2018-09-05	MOE E3407
			Free Cl	0.53	mg/L	0.01	2018-09-05	Field
			HPC	6	CFU/mL	0	2018-09-05	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-05	MOE E3407
Secord/Days Ave (Hydrant)	2018-09-04	558414	E.coli	0	CFU/100mL	0	2018-09-05	MOE E3407
			Free Cl	0.53	mg/L	0.01	2018-09-05	Field
			HPC	4	CFU/mL	0	2018-09-05	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-05	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager



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Work Order No.:2583267
Received : 2018-09-11
PO Number:
Reported: 2018-09-14
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-09-11	559495	E.coli	0	CFU/100mL	0	2018-09-12	MOE E3407
			Free Cl	0.46	mg/L	0.01	2018-09-12	Field
			HPC	0	CFU/mL	0	2018-09-12	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-12	MOE E3407
Andrew Lane (Hydrant)	2018-09-11	559496	E.coli	0	CFU/100mL	0	2018-09-12	MOE E3407
			Free Cl	0.51	mg/L	0.01	2018-09-12	Field
			HPC	1	CFU/mL	0	2018-09-12	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-12	MOE E3407
Secord/Days Ave (Hydrant)	2018-09-11	559497	E.coli	0	CFU/100mL	0	2018-09-12	MOE E3407
			Free Cl	0.57	mg/L	0.01	2018-09-12	Field
			HPC	4	CFU/mL	0	2018-09-12	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-12	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2583646
 Received : 2018-09-18
 PO Number:
 Reported: 2018-09-21
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-09-18	560593	E.coli	0	CFU/100mL	0	2018-09-19	MOE E3407
			Free Cl	0.37	mg/L	0.01	2018-09-19	Field
			HPC	0	CFU/mL	0	2018-09-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-19	MOE E3407
Andrew Lane (Hydrant)	2018-09-18	560594	E.coli	0	CFU/100mL	0	2018-09-19	MOE E3407
			Free Cl	0.58	mg/L	0.01	2018-09-19	Field
			HPC	0	CFU/mL	0	2018-09-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-19	MOE E3407
Secord/Days Ave (Hydrant)	2018-09-18	560595	E.coli	0	CFU/100mL	0	2018-09-19	MOE E3407
			Free Cl	0.64	mg/L	0.01	2018-09-19	Field
			HPC	0	CFU/mL	0	2018-09-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-19	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager

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Work Order No.:2583950
 Received : 2018-09-25
 PO Number:
 Reported: 2018-09-28
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-09-25	561504	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.77	mg/L	0.01	2018-09-26	Field
			HPC	3	CFU/mL	0	2018-09-26	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407
Andrew Lane (Hydrant)	2018-09-25	561505	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.53	mg/L	0.01	2018-09-26	Field
			HPC	1	CFU/mL	0	2018-09-26	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407
Secord/Days Ave (Hydrant)	2018-09-25	561506	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.57	mg/L	0.01	2018-09-26	Field
			HPC	1	CFU/mL	0	2018-09-26	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager

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Work Order No.:2583973
 Received : 2018-09-26
 PO Number:
 Reported: 2018-09-28
 Project Name: Port Robinson Estates
 Stage 2, Phase 1
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	
	Date	Lab ID					Analyzed	Method
SP-1 Haney and Esther	2018-09-26	561573	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.41	mg/L	0.01	2018-09-26	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407
SP-2 Seangsy and Esther	2018-09-26	561574	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.34	mg/L	0.01	2018-09-26	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407
SP-3 Smith and Esther	2018-09-26	561575	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.42	mg/L	0.01	2018-09-26	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407
SP-5 Esther and Smith	2018-09-26	561576	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.31	mg/L	0.01	2018-09-26	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407
SP-7 Lot 144	2018-09-26	561577	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.27	mg/L	0.01	2018-09-26	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407
SP-4 Cloy and Smith	2018-09-26	561578	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.38	mg/L	0.01	2018-09-26	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407
SP-6 Lot 221	2018-09-26	561579	E.coli	0	CFU/100mL	0	2018-09-26	MOE E3407
			Free Cl	0.43	mg/L	0.01	2018-09-26	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-26	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager



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Work Order No.:2584019
Received : 2018-09-27
PO Number:
Reported: 2018-09-28
Project Name: Port Robinson Estates
Stage 2, Phase1(2nd set)
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	
	Date	Lab ID					Analyzed	Method
SP-1 Haney and Esther	2018-09-27	561638	E.coli	0	CFU/100mL	0	2018-09-27	MOE E3407
			Free Cl	0.31	mg/L	0.01	2018-09-27	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-27	MOE E3407
SP-2 Seanesy and Esther	2018-09-27	561639	E.coli	0	CFU/100mL	0	2018-09-27	MOE E3407
			Free Cl	0.29	mg/L	0.01	2018-09-27	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-27	MOE E3407
SP-3 Smith and Esther	2018-09-27	561640	E.coli	0	CFU/100mL	0	2018-09-27	MOE E3407
			Free Cl	0.28	mg/L	0.01	2018-09-27	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-27	MOE E3407
SP-5 Esther and Smith	2018-09-27	561641	E.coli	0	CFU/100mL	0	2018-09-27	MOE E3407
			Free Cl	0.27	mg/L	0.01	2018-09-27	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-27	MOE E3407
SP-7 Lot 144	2018-09-27	561642	E.coli	0	CFU/100mL	0	2018-09-27	MOE E3407
			Free Cl	0.27	mg/L	0.01	2018-09-27	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-27	MOE E3407
SP-4 Cloy and Smith	2018-09-27	561643	E.coli	0	CFU/100mL	0	2018-09-27	MOE E3407
			Free Cl	0.28	mg/L	0.01	2018-09-27	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-27	MOE E3407
SP-6 Lot 221	2018-09-27	561644	E.coli	0	CFU/100mL	0	2018-09-27	MOE E3407
			Free Cl	0.28	mg/L	0.01	2018-09-27	Field
			Total Coliforms	0	CFU/100mL	0	2018-09-27	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2584253
 Received : 2018-10-02
 PO Number:
 Reported: 2018-10-05
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-10-02	562484	E.coli	0	CFU/100mL	0	2018-10-03	MOE E3407
			Free Cl	0.86	mg/L	0.01	2018-10-03	Field
			HPC	0	CFU/mL	0	2018-10-03	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-03	MOE E3407
Andrew Lane (Hydrant)	2018-10-02	562485	E.coli	0	CFU/100mL	0	2018-10-03	MOE E3407
			Free Cl	0.61	mg/L	0.01	2018-10-03	Field
			HPC	0	CFU/mL	0	2018-10-03	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-03	MOE E3407
Secord/Days Ave (Hydrant)	2018-10-02	562486	E.coli	0	CFU/100mL	0	2018-10-03	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-10-03	Field
			HPC	0	CFU/mL	0	2018-10-03	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-03	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager



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Work Order No.:2584488
Received : 2018-10-09
PO Number:
Reported: 2018-10-12
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-10-09	563113	E.coli	0	CFU/100mL	0	2018-10-10	MOE E3407
			Free Cl	0.60	mg/L	0.01	2018-10-10	Field
			HPC	0	CFU/mL	0	2018-10-10	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-10	MOE E3407
Andrew Lane (Hydrant)	2018-10-09	563114	E.coli	0	CFU/100mL	0	2018-10-10	MOE E3407
			Free Cl	0.71	mg/L	0.01	2018-10-10	Field
			HPC	3	CFU/mL	0	2018-10-10	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-10	MOE E3407
Secord/Days Ave (Hydrant)	2018-10-09	563115	E.coli	0	CFU/100mL	0	2018-10-10	MOE E3407
			Free Cl	0.75	mg/L	0.01	2018-10-10	Field
			HPC	1	CFU/mL	0	2018-10-10	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-10	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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L2V 4A7
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Work Order No.:2584852
Received : 2018-10-16
PO Number:
Reported: 2018-10-19
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-10-16	564455	E.coli	0	CFU/100mL	0	2018-10-17	MOE E3407
			Free Cl	0.83	mg/L	0.01	2018-10-17	Field
			HPC	2	CFU/mL	0	2018-10-17	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-17	MOE E3407
Andrew Lane (Hydrant)	2018-10-16	564456	E.coli	0	CFU/100mL	0	2018-10-17	MOE E3407
			Free Cl	0.58	mg/L	0.01	2018-10-17	Field
			HPC	0	CFU/mL	0	2018-10-17	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-17	MOE E3407
Secord/Days Ave (Hydrant)	2018-10-16	564457	E.coli	0	CFU/100mL	0	2018-10-17	MOE E3407
			Free Cl	0.66	mg/L	0.01	2018-10-17	Field
			HPC	1	CFU/mL	0	2018-10-17	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-17	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2585179
 Received : 2018-10-23
 PO Number:
 Reported: 2018-10-26
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-10-23	565353	E.coli	0	CFU/100mL	0	2018-10-24	MOE E3407
			Free Cl	0.69	mg/L	0.01	2018-10-24	Field
			HPC	0	CFU/mL	0	2018-10-24	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-24	MOE E3407
Andrew Lane (Hydrant)	2018-10-23	565354	E.coli	0	CFU/100mL	0	2018-10-24	MOE E3407
			Free Cl	0.74	mg/L	0.01	2018-10-24	Field
			HPC	0	CFU/mL	0	2018-10-24	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-24	MOE E3407
Secord/Days Ave (Hydrant)	2018-10-23	565355	E.coli	0	CFU/100mL	0	2018-10-24	MOE E3407
			Free Cl	0.58	mg/L	0.01	2018-10-24	Field
			HPC	0	CFU/mL	0	2018-10-24	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-24	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager

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Work Order No.:2585473
 Received : 2018-10-30
 PO Number:
 Reported: 2018-11-02
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-10-30	566342	E.coli	0	CFU/100mL	0	2018-10-31	MOE E3407
			Free Cl	1.06	mg/L	0.01	2018-10-31	Field
			HPC	0	CFU/mL	0	2018-10-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-31	MOE E3407
Andrew Lane (Hydrant)	2018-10-30	566343	E.coli	0	CFU/100mL	0	2018-10-31	MOE E3407
			Free Cl	0.42	mg/L	0.01	2018-10-31	Field
			HPC	0	CFU/mL	0	2018-10-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-31	MOE E3407
Secord/Days Ave (Hydrant)	2018-10-30	566344	E.coli	0	CFU/100mL	0	2018-10-31	MOE E3407
			Free Cl	0.54	mg/L	0.01	2018-10-31	Field
			HPC	0	CFU/mL	0	2018-10-31	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-10-31	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
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Work Order No.:2585794
Received : 2018-11-06
PO Number:
Reported: 2018-11-09
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-11-06	567392	E.coli	0	CFU/100mL	0	2018-11-07	MOE E3407
			Free Cl	0.89	mg/L	0.01	2018-11-07	Field
			HPC	0	CFU/mL	0	2018-11-07	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-07	MOE E3407
Andrew Lane (Hydrant)	2018-11-06	567393	E.coli	0	CFU/100mL	0	2018-11-07	MOE E3407
			Free Cl	0.78	mg/L	0.01	2018-11-07	Field
			HPC	0	CFU/mL	0	2018-11-07	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-07	MOE E3407
Secord/Days Ave (Hydrant)	2018-11-06	567394	E.coli	0	CFU/100mL	0	2018-11-07	MOE E3407
			Free Cl	0.83	mg/L	0.01	2018-11-07	Field
			HPC	3	CFU/mL	0	2018-11-07	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-07	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2585981
 Received : 2018-11-13
 PO Number:
 Reported: 2018-11-15
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-11-13	567910	E.coli	0	CFU/100mL	0	2018-11-13	MOE E3407
			Free Cl	0.78	mg/L	0.01	2018-11-13	Field
			HPC	0	CFU/mL	0	2018-11-13	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-13	MOE E3407
Andrew Lane (Hydrant)	2018-11-13	567911	E.coli	0	CFU/100mL	0	2018-11-13	MOE E3407
			Free Cl	0.68	mg/L	0.01	2018-11-13	Field
			HPC	0	CFU/mL	0	2018-11-13	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-13	MOE E3407
Secord/Days Ave (Hydrant)	2018-11-13	567912	E.coli	0	CFU/100mL	0	2018-11-13	MOE E3407
			Free Cl	0.82	mg/L	0.01	2018-11-13	Field
			HPC	0	CFU/mL	0	2018-11-13	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-13	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
 Laboratory Manager



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Work Order No.:2586354
Received : 2018-11-21
PO Number:
Reported: 2018-11-29
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
McFarland SS	2018-11-21	569040	Lead	See	Attached	N/A	2018-11-26	Subcontracted
McFarland SS	2018-11-21	569041	Alkalinity (CaCO3)	See	Attached	N/A	2018-11-26	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager



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Work Order No.:2586382
Received : 2018-11-20
PO Number:
Reported: 2018-11-23
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-11-20	569153	E.coli	0	CFU/100mL	0	2018-11-21	MOE E3407
			Free Cl	0.83	mg/L	0.01	2018-11-21	Field
			HPC	0	CFU/mL	0	2018-11-21	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-21	MOE E3407
Andrew Lane (Hydrant)	2018-11-20	569154	E.coli	0	CFU/100mL	0	2018-11-21	MOE E3407
			Free Cl	0.78	mg/L	0.01	2018-11-21	Field
			HPC	0	CFU/mL	0	2018-11-21	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-21	MOE E3407
Secord/Days Ave (Hydrant)	2018-11-20	569155	E.coli	0	CFU/100mL	0	2018-11-21	MOE E3407
			Free Cl	0.82	mg/L	0.01	2018-11-21	Field
			HPC	0	CFU/mL	0	2018-11-21	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-21	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager



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Work Order No.:2586491
Received : 2018-11-23
PO Number:
Reported: 2018-11-29
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
20 Eastman Gateway	2018-11-22	569374	Lead	See	Attached	N/A	2018-11-28	Subcontracted
20 Eastman Gateway	2018-11-22	569375	Lead	See	Attached	N/A	2018-11-28	Subcontracted
13 Andrew Lane	2018-11-22	569376	Lead	See	Attached	N/A	2018-11-28	Subcontracted
13 Andrew Lane	2018-11-22	569377	Lead	See	Attached	N/A	2018-11-28	Subcontracted
12 Eastman Gateway	2018-11-22	569378	Lead	See	Attached	N/A	2018-11-28	Subcontracted
12 Eastman Gateway	2018-11-22	569379	Lead	See	Attached	N/A	2018-11-28	Subcontracted
18 Andrew Lane	2018-11-22	569380	Lead	See	Attached	N/A	2018-11-28	Subcontracted
18 Andrew Lane	2018-11-22	569381	Lead	See	Attached	N/A	2018-11-28	Subcontracted
43 Secord St	2018-11-22	569382	Lead	See	Attached	N/A	2018-11-28	Subcontracted
43 Secord St	2018-11-22	569383	Lead	See	Attached	N/A	2018-11-28	Subcontracted
1051 Niagara St	2018-11-22	569384	Lead	See	Attached	N/A	2018-11-28	Subcontracted
1051 Niagara St	2018-11-22	569385	Lead	See	Attached	N/A	2018-11-28	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager



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Work Order No.:2586548
Received : 2018-11-27
PO Number:
Reported: 2018-12-04
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
Hansler Rd	2018-11-27	569544	HAA (Haloacetic Acid)	See	Attached	N/A	2018-11-29	Subcontracted

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager



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Work Order No.:2586551
Received : 2018-11-27
PO Number:
Reported: 2018-12-05
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date	Method
	Date	Lab ID					Analyzed	
36 Andrew Lane (Hydrant)	2018-11-27	569547	Trihalomethanes	See	Attached	N/A	2018-12-03	Subcontracted

Reported by:

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Work Order No.:2586658
 Received : 2018-11-27
 PO Number:
 Reported: 2018-11-30
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-11-27	569991	E.coli	0	CFU/100mL	0	2018-11-28	MOE E3407
			Free Cl	0.92	mg/L	0.01	2018-11-28	Field
			HPC	1	CFU/mL	0	2018-11-28	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-28	MOE E3407
Andrew Lane (Hydrant)	2018-11-27	569992	E.coli	0	CFU/100mL	0	2018-11-28	MOE E3407
			Free Cl	0.80	mg/L	0.01	2018-11-28	Field
			HPC	0	CFU/mL	0	2018-11-28	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-28	MOE E3407
Secord/Days Ave (Hydrant)	2018-11-27	569993	E.coli	0	CFU/100mL	0	2018-11-28	MOE E3407
			Free Cl	0.87	mg/L	0.01	2018-11-28	Field
			HPC	1	CFU/mL	0	2018-11-28	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-11-28	MOE E3407

Reported by:

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Work Order No.:2586939
Received : 2018-12-04
PO Number:
Reported: 2018-12-07
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-12-04	570903	E.coli	0	CFU/100mL	0	2018-12-05	MOE E3407
			Free Cl	0.85	mg/L	0.01	2018-12-05	Field
			HPC	0	CFU/mL	0	2018-12-05	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-05	MOE E3407
Andrew Lane (Hydrant)	2018-12-04	570904	E.coli	0	CFU/100mL	0	2018-12-05	MOE E3407
			Free Cl	0.74	mg/L	0.01	2018-12-05	Field
			HPC	1	CFU/mL	0	2018-12-05	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-05	MOE E3407
Secord/Days Ave (Hydrant)	2018-12-04	570905	E.coli	0	CFU/100mL	0	2018-12-05	MOE E3407
			Free Cl	0.80	mg/L	0.01	2018-12-05	Field
			HPC	0	CFU/mL	0	2018-12-05	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-05	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

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Work Order No.:2587230
 Received : 2018-12-11
 PO Number:
 Reported: 2018-12-14
 Project Name:
 Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-12-11	571847	E.coli	0	CFU/100mL	0	2018-12-12	MOE E3407
			Free Cl	1.02	mg/L	0.01	2018-12-12	Field
			HPC	2	CFU/mL	0	2018-12-12	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-12	MOE E3407
Andrew Lane (Hydrant)	2018-12-11	571848	E.coli	0	CFU/100mL	0	2018-12-12	MOE E3407
			Free Cl	0.90	mg/L	0.01	2018-12-12	Field
			HPC	5	CFU/mL	0	2018-12-12	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-12	MOE E3407
Secord/Days Ave (Hydrant)	2018-12-11	571849	E.coli	0	CFU/100mL	0	2018-12-12	MOE E3407
			Free Cl	0.98	mg/L	0.01	2018-12-12	Field
			HPC	4	CFU/mL	0	2018-12-12	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-12	MOE E3407

Reported by:

 Nilou Ghazi, Ph.D.,P.Eng.
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Work Order No.:2587523
Received : 2018-12-19
PO Number:
Reported: 2018-12-21
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1051 Niagara Street	2018-12-19	572709	E.coli	0	CFU/100mL	0	2018-12-19	MOE E3407
			Free Cl	1.01	mg/L	0.01	2018-12-19	Field
			HPC	0	CFU/mL	0	2018-12-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-19	MOE E3407
Andrew Lane (Hydrant)	2018-12-19	572710	E.coli	0	CFU/100mL	0	2018-12-19	MOE E3407
			Free Cl	0.97	mg/L	0.01	2018-12-19	Field
			HPC	0	CFU/mL	0	2018-12-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-19	MOE E3407
Secord/Days Ave (Hydrant)	2018-12-19	572711	E.coli	0	CFU/100mL	0	2018-12-19	MOE E3407
			Free Cl	0.94	mg/L	0.01	2018-12-19	Field
			HPC	0	CFU/mL	0	2018-12-19	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-19	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
Laboratory Manager

All work has been performed using accepted testing methodologies, except where otherwise agreed to by the client in writing. Our total liability in connection with this work shall be limited to the amount paid by the client. Results relate only to items tested as received.



E3 Laboratories Inc.

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CERTIFICATE OF ANALYSIS

Thorold (South End of Thorold) Distribution System
Steve Santo
3540 Schmon Parkway, PO Box 1044
Thorold
L2V 4A7
Tel: 905-227-3535

Fax: 905-227-3666
Email:

Work Order No.:2587683
Received : 2018-12-27
PO Number:
Reported: 2019-01-02
Project Name:
Chain of Custody No.:

Client Sample ID	Sample		Parameter	Result	Unit	RDL	Date Analyzed	Method
	Date	Lab ID						
1073 Niagara Street	2018-12-27	573045	E.coli	0	CFU/100mL	0	2018-12-27	MOE E3407
			Free Cl	0.58	mg/L	0.01	2018-12-27	Field
			HPC	8	CFU/mL	0	2018-12-27	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-27	MOE E3407
Andrew Lane (Hydrant)	2018-12-27	573046	E.coli	0	CFU/100mL	0	2018-12-27	MOE E3407
			Free Cl	0.83	mg/L	0.01	2018-12-27	Field
			HPC	0	CFU/mL	0	2018-12-27	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-27	MOE E3407
Secord/Days Ave (Hydrant)	2018-12-27	573047	E.coli	0	CFU/100mL	0	2018-12-27	MOE E3407
			Free Cl	0.85	mg/L	0.01	2018-12-27	Field
			HPC	0	CFU/mL	0	2018-12-27	APHA 9215
			Total Coliforms	0	CFU/100mL	0	2018-12-27	MOE E3407

Reported by:

Nilou Ghazi, Ph.D.,P.Eng.
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