

Client: PALMER RAPIDS PUBLIC SCHOOL
116 Burnt Ridge Rd.
Amprior, ON
K0J 2E0
Attention: Ms. Paula Vanhoof
PO#: 6071346759
Invoice to: Renfrew County District School Board


Report Number: 1602098
Date Submitted: 2016-02-10
Date Reported: 2016-03-01
Project: Palmer Rapids PS
COC #: 805408
Waterworks/Facility: 260013832

Page 1 of 4

Dear Paula Vanhoof:


Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

 Shyla Monette
2016.03.01
12:44:01 -05'00'

APPROVAL: _____

Shyla Monette
Team Leader, Inorganics

 Charlie
(Long) Qu
2016.03.01
11:20:45
-05'00'

APPROVAL: _____

Charlie (Long) Qu
Laboratory Supervisor, Organics

All analysis is completed in Ottawa, Ontario (unless otherwise indicated).

Exova Ottawa is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on our CALA scope of accreditation. It can be found at <http://www.cala.ca/scopes/2602.pdf>.

Exova (Ottawa) is certified and accredited for specific parameters by OMAFRA, Ontario Ministry of Agriculture, Food and Rural Affairs (for farm soils). Licensed by Ontario MOE for specific tests in drinking water.

Exova (Mississauga) is accredited for specific parameters by SCC, Standards Council of Canada (to ISO 17025)

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline values listed on this report are provided for ease of use (informational purposes) only. Exova recommends consulting the official provincial or federal guideline as required.

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Lab I.D. 1226468
 Sample Matrix Supply Water
 Sample Type TREATEDWATER
 Sampling Date 2016-02-09
 Sample I.D. Palmer Rapids PS

Group	Analyte	MRL	Units	Guideline	
Herbicide/Pesticide	2,3,4,6-tetrachlorophenol	0.5	ug/L	MAC-100	<0.5
	2,4,6-trichlorophenol	0.5	ug/L	MAC-5	<0.5
	2,4-dichlorophenol	0.5	ug/L	MAC-900	<0.5
	2,4-dichlorophenoxyacetic acid (2,4-D)	1.0	ug/L	IMAC-100	<1.0
	a-chlordane	0.006	ug/L		<0.006
	Alachlor	0.5	ug/L	IMAC-5	<0.5
	Aldrin	0.006	ug/L		<0.006
	Atrazine	1.0	ug/L		<1.0
	Atrazine + N-dealkylated metabolites	0.2	ug/L	IMAC-5	<0.2
	Azinphos-methyl	2.0	ug/L	MAC-20	<2.0
	Bendiocarb	2.0	ug/L	MAC-40	<2.0
	Benzo(a)pyrene	0.01	ug/L	MAC-0.01	<0.01
	Bromoxynil	0.5	ug/L	IMAC-5	<0.5
	Carbaryl	5.0	ug/L	MAC-90	<5.0
	Carbofuran	5.0	ug/L	MAC-90	<5.0
	Chlorpyrifos	1.0	ug/L	MAC-90	<1.0
	De-ethylated atrazine	1.0	ug/L		<1.0
	Diazinon	1.0	ug/L	MAC-20	<1.0
	Dicamba	1.0	ug/L	MAC-120	<1.0
	Diclofop-methyl	0.9	ug/L	MAC-9	<0.9
Dieldrin	0.006	ug/L		<0.006	
Dimethoate	2.5	ug/L	IMAC-20	<2.5	
Diquat	5	ug/L	MAC-70	<5	
Diuron	10	ug/L	MAC-150	<10	
g-chlordane	0.006	ug/L		<0.006	
Glyphosate	10	ug/L	IMAC-280	<10	

Guideline = MOE REG. 170/03 * = **Guideline Exceedence**

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 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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 Sample Matrix Supply Water
 Sample Type TREATEDWATER
 Sampling Date 2016-02-09
 Sample I.D. Palmer Rapids PS

Group	Analyte	MRL	Units	Guideline	
Herbicide/Pesticide	Malathion	5.0	ug/L	MAC-190	<5.0
	MCPA	10	ug/L		<10
	Metolachlor	1.0	ug/L	IMAC-50	<1.0
	Metribuzin	5.0	ug/L	MAC-80	<5.0
	op-DDT	0.006	ug/L		<0.006
	Oxychlorane	0.006	ug/L		<0.006
	Paraquat	1	ug/L	IMAC-10	<1
	Pentachlorophenol	0.5	ug/L	MAC-60	<0.5
	Phorate	0.5	ug/L	IMAC-2	<0.5
	Picloram	5.0	ug/L	IMAC-190	<5.0
	pp-DDD	0.006	ug/L		<0.006
	pp-DDE	0.006	ug/L		<0.006
	pp-DDT	0.006	ug/L		<0.006
	Prometryne	0.25	ug/L	IMAC-1	<0.25
	Simazine	1.0	ug/L	IMAC-10	<1.0
	Terbufos	0.4	ug/L	IMAC-1	<0.4
	Triallate	1	ug/L	MAC-230	<1
Trifluralin	1.0	ug/L	IMAC-45	<1.0	
Mercury	Mercury	0.0001	mg/L	MAC-0.001	<0.0001
Metals	Antimony	0.0005	mg/L	IMAC-0.006	<0.0005
	Arsenic	0.001	mg/L	IMAC-0.025	<0.001
	Barium	0.01	mg/L	MAC-1.0	<0.01
	Boron	0.01	mg/L	IMAC-5.0	0.01
	Cadmium	0.0001	mg/L	MAC-0.005	<0.0001
	Chromium	0.001	mg/L	MAC-0.05	0.002
	Selenium	0.001	mg/L	MAC-0.01	<0.001

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Lab I.D.	1226468
Sample Matrix	Supply Water
Sample Type	TREATEDWATER
Sampling Date	2016-02-09
Sample I.D.	Palmer Rapids PS

Group	Analyte	MRL	Units	Guideline	
Metals	Uranium	0.001	mg/L	MAC-0.02	0.001
PCBs	Polychlorinated Biphenyls (PCBs)	0.1	ug/L	IMAC-3	<0.1
VOCs	1,1-dichloroethylene	0.5	ug/L	MAC-14	<0.5
	1,2-dichlorobenzene	0.4	ug/L	MAC-200	<0.4
	1,2-dichloroethane	0.2	ug/L	IMAC-5	<0.2
	1,4-dichlorobenzene	0.4	ug/L	MAC-5	<0.4
	Benzene	0.5	ug/L	MAC-5	<0.5
	Carbon Tetrachloride	0.2	ug/L	MAC-5	<0.2
	Dichloromethane	4.0	ug/L	MAC-50	<4.0
	Monochlorobenzene	0.2	ug/L	MAC-80	<0.2
	Tetrachloroethylene	0.3	ug/L	MAC-30	<0.3
	Trichloroethylene	0.3	ug/L	MAC-5	<0.3
	Vinyl Chloride	0.2	ug/L	MAC-2	<0.2
VOCs Surrogates (%REC)	1,2-dichloroethane-d4	0	%		127
	4-bromofluorobenzene	0	%		124
	Toluene-d8	0	%		96

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