

NORTHERN LAKE SERVICE, INC.
 Analytical Laboratory and Environmental Services
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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
 WDATCP Laboratory Certification No. 105-330
 EPA Laboratory ID No. WI00034

Client: Abbotsford Waterworks
 Attn: Todd Medenwaldt
 203 N 1st Street
 Abbotsford, WI 54405

Printed: 12/22/15 Code: NNNN-S Page 1 of 1

NLS Project: 252674

NLS Customer: 97299

Phone: 715 223 8189

Project: Lead and Copper Analysis PWS#73701485

PbCu 3 NLS ID: 898120
 COC: 187261:1 Matrix: DW
 Collected: 12/14/15 09:00 Received: 12/16/15

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP-MS	670	ug/L	1	1.0*	2.0 / 1300*	12/18/15	EPA 200.8, Rev 5.4	721026460
Lead, tot. recoverable as Pb by ICP-MS	1.1	ug/L	1	0.10*	0.20 / 15*	12/18/15	EPA 200.8, Rev 5.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/17/15	EPA 180.1	721026460

PbCu 5 NLS ID: 898121
 COC: 187261:2 Matrix: DW
 Collected: 12/15/15 09:00 Received: 12/16/15

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP-MS	410	ug/L	1	1.0*	2.0 / 1300*	12/18/15	EPA 200.8, Rev 5.4	721026460
Lead, tot. recoverable as Pb by ICP-MS	3.9	ug/L	1	0.10*	0.20 / 15*	12/18/15	EPA 200.8, Rev 5.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/17/15	EPA 180.1	721026460

PbCu 7 NLS ID: 898122
 COC: 187261:3 Matrix: DW
 Collected: 12/15/15 09:00 Received: 12/16/15

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP-MS	120	ug/L	1	1.0*	2.0 / 1300*	12/18/15	EPA 200.8, Rev 5.4	721026460
Lead, tot. recoverable as Pb by ICP-MS	0.50	ug/L	1	0.10*	0.20 / 15*	12/18/15	EPA 200.8, Rev 5.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/17/15	EPA 180.1	721026460

PbCu 11 NLS ID: 898123
 COC: 187261:4 Matrix: DW
 Collected: 12/14/15 09:00 Received: 12/16/15

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP-MS	140	ug/L	1	1.0*	2.0 / 1300*	12/18/15	EPA 200.8, Rev 5.4	721026460
Lead, tot. recoverable as Pb by ICP-MS	0.46	ug/L	1	0.10*	0.20 / 15*	12/18/15	EPA 200.8, Rev 5.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/17/15	EPA 180.1	721026460

PbCu 19 NLS ID: 898124
 COC: 187261:5 Matrix: DW
 Collected: 12/14/15 09:00 Received: 12/16/15

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP-MS	550	ug/L	1	1.0*	2.0 / 1300*	12/18/15	EPA 200.8, Rev 5.4	721026460
Lead, tot. recoverable as Pb by ICP-MS	1.2	ug/L	1	0.10*	0.20 / 15*	12/18/15	EPA 200.8, Rev 5.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/17/15	EPA 180.1	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD)
 DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 1000 1000 ug/L = 1 mg/L
 MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:



Authorized by:
 R. T. Krueger
 President