



SCHOOL ADMINISTRATIVE UNIT #48

SERVING CAMPTON • ELLSWORTH • HOLDERNESS • PEMI-BAKER REGIONAL
PLYMOUTH • RUMNEY • THORNTON • WATERVILLE VALLEY • WENTWORTH

To the Members of the Russell Elementary School Community,

The State of New Hampshire recently passed a new law (SB247) requiring that all school buildings in the state test all possible drinking water sources within the building for levels of copper and lead in the water.

These tests check the source and integrity of the well and the school building's internal piping systems. Schools must have this testing completed by July 1, 2019.


Previously, when our buildings were tested, the protocol was to run/flush the system prior to taking a sample. The new protocol tests the water that has been standing for at least six (6) hours.

I am pleased to inform you that the samples from all possible sources of water within the Russell Elementary School building were found to be in compliance.

You will find this letter and the water tests results on the school's web site.

If you have any questions regarding this testing program, please feel free to contact Mr. Jon Francis, SAU 48 Facilities Director at 536-3094 or jfrancis@pemibaker.org.

Sincerely,



Mark J. Halloran
Superintendent of Schools

Friday, January 04, 2019

Amy Ulricson
SAU 48 c/o Plymouth Regional High School
86 Old Ward Bridge Rd.
Plymouth NH 03055

Project Name: Russell Elementary School
Project #: SAU48 - Lead
Project Location: Russell Elementary School
Control #: 18120192

Lab ID: 18120192

Date Received: 12/27/2018

Dear Amy Ulricson

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

Residual chlorine, sulfite and pH are intended to be performed as an immediate field analysis. Should any of these analyses be performed in the lab instead of in the field it will result in those analyses being performed out of holding time.

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>



Jay Chrystal - President/Laboratory Director



SAU 48 c/o Plymouth Regional High School

Amy Ulricson

86 Old Ward Bridge Rd.

Plymouth NH 03055

Control #: 18120192

Project Number: SAU48 - Lead

Project Name: Russell Elementary School

Project Location: Russell Elementary School

Lab ID: 18120192

Date: 1/4/2019

Lab ID: 18120192

Sample Receiving and Comment Summary

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	N/A
Was there evidence of cooling or were samples received on the same day as collection?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	N/A
Were samples received in the appropriate containers?	Yes
Were samples submitted with a chain of custody?	Yes

Sample	Method	Client Identity	Matrix	Analyst
18120192-001	EPA 200.5 Rev 4.2	KITCHEN SINK	Drinking Water	BenN

Comment: no comment

* Blank comment sections denote "No Comment"



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 Sales@chemservelab.com

SAU 48 c/o Plymouth Regional High School
 Amy Ulricson
 86 Old Ward Bridge Rd.
 Plymouth NH 03055

Control #: 18120192
 Project Number: SAU48 - Lead
 Project Name: Russell Elementary School
 Project Location: Russell Elementary School

Analytical Results
 Lab ID: 18120192
 Date: 1/4/2019

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-001	EPA 200.5 Rev 4.2	KITCHEN SINK	mg/L	Drinking Water BenN	

Start Date/Time Sampled: 12/26/2018 2:24:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-002	EPA 200.5 Rev 4.2	MN LOBBY WF	mg/L	Drinking Water BenN	

Start Date/Time Sampled: 12/26/2018 2:29:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-003	EPA 200.5 Rev 4.2	GYM G BR	mg/L	Drinking Water BenN	

Start Date/Time Sampled: 12/26/2018 2:27:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-004	EPA 200.5 Rev 4.2	GYM B BR	mg/L	Drinking Water BenN	

Start Date/Time Sampled: 12/26/2018 2:27:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-005	EPA 200.5 Rev 4.2	GYM WF	mg/L	Drinking Water BenN	

Start Date/Time Sampled: 12/26/2018 2:27:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	-0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-006	EPA 200.5 Rev 4.2	RM117 SINK	mg/L	Drinking Water	BenN

Start Date/Time Sampled: 12/26/2018 2:32:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-007	EPA 200.5 Rev 4.2	CAFÉ WF	mg/L	Drinking Water	BenN

Start Date/Time Sampled: 12/26/2018 2:30:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-008	EPA 200.5 Rev 4.2	RM119 SINK	mg/L	Drinking Water	BenN

Start Date/Time Sampled: 12/26/2018 2:32:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-009	EPA 200.5 Rev 4.2	57W G BR	mg/L	Drinking Water	BenN

Start Date/Time Sampled: 12/26/2018 2:37:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-010	EPA 200.5 Rev 4.2	57W B BR	mg/L	Drinking Water	BenN

Start Date/Time Sampled: 12/26/2018 2:36:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-011	EPA 200.5 Rev 4.2	NURSE SINK	mg/L	Drinking Water	BenN

Start Date/Time Sampled: 12/26/2018 2:34:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst	
18120192-012	EPA 200.5 Rev 4.2	57W STF BR	mg/L	Drinking Water	BenN	
Start Date/Time Sampled: 12/26/2018 2:36:00 PM Composite End Date/Time:						
Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst	
18120192-013	EPA 200.5 Rev 4.2	57W WF	mg/L	Drinking Water	BenN	
Start Date/Time Sampled: 12/26/2018 2:38:00 PM Composite End Date/Time:						
Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst	
18120192-014	EPA 200.5 Rev 4.2	57W RM120 SINK	mg/L	Drinking Water	BenN	
Start Date/Time Sampled: 12/26/2018 2:33:00 PM Composite End Date/Time:						
Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst	
18120192-015	EPA 200.5 Rev 4.2	57W RM201 SINK	mg/L	Drinking Water	BenN	
Start Date/Time Sampled: 12/26/2018 2:41:00 PM Composite End Date/Time:						
Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst	
18120192-016	EPA 200.5 Rev 4.2	57W RM202 SINK	mg/L	Drinking Water	BenN	
Start Date/Time Sampled: 12/26/2018 2:38:00 PM Composite End Date/Time:						
Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst	
18120192-017	EPA 200.5 Rev 4.2	57W RM204 SINK	mg/L	Drinking Water	BenN	
Start Date/Time Sampled: 12/26/2018 2:39:00 PM Composite End Date/Time:						
Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-018	EPA 200.5 Rev 4.2	57WRM203 SINK	mg/L	Drinking Water	BenN

Start Date/Time Sampled: 12/26/2018 2:41:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-019	EPA 200.5 Rev 4.2	57W UPPR WF	mg/L	Drinking Water	BenN

Start Date/Time Sampled: 12/26/2018 2:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
18120192-020	EPA 200.5 Rev 4.2	RM 124 SINK	mg/L	Drinking Water	BenN

Start Date/Time Sampled: 12/26/2018 2:35:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Lead	7439-92-1	< 0.003 mg/L		12/29/2018	1	0.003

Qualifier: Description:

- B- Method blank contaminated with target analyte.
- B1- BOD had total oxygen loss. Result reported as ">"the highest dilution.
- B2- BOD had no oxygen loss. Result reported as "<" the lowest dilution.
- G- Reporting limit elevated due to matrix interference.
- H- Method prescribed holding time exceeded.
- J- Indicates an estimated value. Value is less than the quantitation limit.
- IL- Internal Standard(s) recovery was low due to matrix. Result may be biased high.
- IH- Internal Standard(s) recovery was high due to matrix. Result may be biased low.
- LH- Laboratory control spike(s) was high. Results may be biased high.
- LL- Laboratory control spike(s) was low. Results may be biased low.
- MH- Matrix spike recovery high due to matrix. Results may be biased high.
- ML- Matrix spike recovery low due to matrix. Results may be biased low.
- N- Non-target compound. Reported as a TIC.
- NC- Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
- R- RPD outside acceptable recovery limits.
- RO- Sample received out of holding time.
- SH- Surrogate recovery high due to matrix
- SL- Surrogate recovery low due to matrix
- U- BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.
- V- Sample pH for analysis was not within the required range when checked at time of analysis.
- Z- Too numerous to count (TNTC)

An "A" in the result column on the report indicates absent for presence/absent bacteria and a "P" indicates present for presence/absent bacteria.