

Sherwood Charter School

Lead in Drinking Water Testing Plan and Results

UPDATED APRIL 24, 2017

SHERWOOD CHARTER SCHOOL
SAFETY COMMITTEE

Principal Joy Raboli

Parent Volunteers – Amy Verkest, Shari Scholz, Michelle Henson, and Renée Simas

Sherwood Charter School

Lead in Drinking Water Testing Plan and Results

Oregon Administrative Rule (OAR) 581-022-2223, adopted in August 2016 states: “Each school district, education service district, and public charter school in Oregon must develop a Healthy and Safe Schools Plan for all buildings owned or leased by the school district or public charter school where students and staff are present on a regular basis.”

Sherwood Charter School (SCS) submitted the final draft of its Healthy and Safe Schools plan to the Department of Education on December 20, 2016, ahead of the January 1, 2017 due date. This report will be available in the SCS office for a period of ten (10) years; a link to SCS’s Healthy and Safe Schools Plan is available here:

<http://sherwoodcharterschool.org/wp-content/uploads/SCS-Healthy-and-Safe-Schools-Plan-Updated-2017.04.24.pdf>

OAR 581-022-2223(5)(d) states that the Healthy and Safe Schools Plan must include a plan to test for and reduce exposure to lead in water used for drinking or food preparation. The section of the plan concerning lead testing planning is included herein for completeness and clarity. While the water testing was conducted on November 22, 2016, the results of water analysis were not available for inclusion in the Healthy and Safe Schools Plan prior to its due date. These results were received on January 4, 2017, and are, therefore, presented as this separate document.

The Department of Education, with input from the Oregon Health Authority, provided a model plan to facilitate the creation of Healthy and Safe Schools Plans. Beneath each of the seven required elements in the model plan, information was included in italics to help schools understand plan requirements and locate resources for each plan component. Sherwood Charter School chose to retain the model’s italicized content to ensure compliance with each element for current and future school boards as well as to provide the charter school community with an understanding of the purpose of the plan and the actions that the SCS Board of Directors has taken, and plans to take, to ensure a healthy and safe school environment. What follows, italicized below in blue print, is the recommendation for lead testing from that model plan to put these results in context:

The Oregon Department of Education and the Oregon Health Authority recommend that all school districts and childcare facilities test for lead in school water and take corrective action if lead levels are elevated.

In developing a plan to test for and reduce exposure to lead in water used for drinking or food preparation, the following components are recommended by the Oregon Department of Education and the Oregon Health Authority:

- 1. **Identify sources of lead:** Schools and childcare facilities should test all taps used for drinking or food preparation in the building to identify any lead problems. Follow the Environmental Protection Agency’s 3 T’s Revised Technical Guidance to ensure that samples for lead are*

collected properly and from the right places. Use an OHA-accredited drinking water laboratory to analyze samples for lead.

2. ***Stop access:*** *Prevent access to water taps that have more than 20 parts per billion (ppb) of lead. This should include shutting off taps, covering water fountains, and providing bottled water to students and staff members.*
3. ***Communicate:*** *Make results from tests for lead in water available to students, families, and the community as quickly as possible.*
4. ***Mitigate and correct:*** *Replace the sources of lead in building plumbing. Again, EPA's 3Ts Guidance should be followed.*

The EPA's *3Ts for Reducing Lead in Drinking Water in Schools* is available here:

https://www.epa.gov/sites/production/files/2015-09/documents/toolkit_leadschools_guide_3ts_leadschools.pdf

Sherwood Charter School is committed to testing for and reducing exposure to lead in drinking water in our facilities, both owned and leased. At the October 20, 2016, meeting of the SCS Board of Directors, sources of lead and lead's health effects were discussed. Directors agreed that water testing is a key, first step in evaluating the plumbing and determining if a lead problem exists. Per recommendations by the Oregon Department of Education and the Oregon Health Authority, SCS decided to test for lead in all water outlets used for drinking or food preparation. Drinking water outlets are locations where water may be used for consumption, such as water fountains and faucets. This initial planning and testing responsibility was entrusted to the SCS Safety Committee.

The Safety Committee obtained a list of Oregon Environmental Laboratory Accreditation Program labs (ORELAP). They contacted three certified laboratories for comparison, presented these options to the board, and recommended Alexin Analytical, Inc., the lab that the City of Sherwood uses for its testing. After comparing lab locations, process, pricing, and turnaround times for analysis, the Board accepted the Safety Committee recommendation. Alexin Analytical, Inc., was used for all testing. (See Appendix A: Oregon Accredited Lab Verification.)

Next, water outlets used for drinking and food preparation were prioritized and identified in the main building leased from Sherwood Community Friends Church (SCFC). Restroom taps, therefore, were excluded from sample collection and testing in the main building because alternative sources of drinking water are readily available to students (i.e. drinking fountains). As an added precaution, however, laminated, age-appropriate placards were posted in each of the main building restrooms above untested taps advising students, faculty and staff not to drink untested tap water.

Each of SCS's four, modular/portable buildings houses two classrooms; each classroom has its own restroom. It was determined that all restroom faucets in the modular/portable buildings (labeled A, B, C and D) should be included in lead testing. For students and faculty in portables B, C and D, the restroom sink is the only available option for drinking water. Although additional drinking fountains are available in portable A, which includes the art and science classrooms, drinking cups have always been provided in

restrooms for drinking by children and faculty. These restrooms, then, were also prioritized as outlets for human consumption. Because all faucets are used for drinking water, all taps were tested for lead.

On Tuesday, November 22, 2016, initial, first-draw water samples were collected from the following locations in the main building: kitchen sinks (right and left); and upstairs and downstairs drinking fountains. To be thorough, an additional water sample was collected and submitted to Alexin Analytical on November 30, 2016, from a bottled water dispenser in the back office as lead can potentially be present in the dispenser valve and fittings incorporated in the outlet of the unit. Therefore, a total of 5 water samples were collected from the main building.

Initial, first-draw water samples were also collected from the six drinking faucets in the 2nd, 3rd, 4th, 5th, math, and humanities classrooms (the restrooms of portables A, B and C described above). Two additional samples were collected from the science classroom sink in portable A, which has both a faucet and drinking fountain. Three additional samples were collected from the two art classroom sinks, which include two faucets and a drinking fountain. A total of 13 water samples, therefore, were collected from the portable buildings, including the art and science classroom restrooms as noted above. (See Appendix B: Chain of Custody Reports.)

SCS followed the Environmental Protection Agency's *3 Ts for Reducing Lead in Drinking Water for Schools, Revised Technical Guidance* to ensure that samples for lead were collected properly. The EPA recommends that schools collect 250 mL first-draw samples (i.e. samples of stagnant water before any flushing or use occurs) from water fountains and other outlets used for consumption. This sampling protocol maximizes the likelihood that the highest concentrations of lead are found because the first 250 mL are analyzed for lead after overnight stagnation. Per the *3Ts* publication, the sample was designed to pinpoint specific outlets that require remediation (e.g. drinking fountain or faucet replacement).

Water samples were collected and submitted to Alexin Analytical, Inc., for analysis on November 22, 2016.

RESULTS and ACTION LEVEL

Alexin Analytical delivered the lead testing results to SCS Principal Joy Raboli on January 4, 2017. (See Appendix C: Alexin Analytical Laboratories, Inc. Analysis Report dated January 4, 2017.)

On January 5, 2017, the SCS Safety Committee met to review the Analysis Report and discuss recommendations to be presented to SCS Board of Directors.

On January 5, 2017, a joint meeting of the Sherwood Charter School and Sherwood Community Friends Church boards was held to discuss the lead testing results and determine next steps. An effective program to reduce lead in drinking water will require a team effort between landlord and tenant.

Per the Analysis Report, of the 18 water outlets sampled, **16 outlets indicated that no lead was detected (ND)** at the minimum reporting level (MRL).

One outlet (3rd grade restroom) reported a result of 2.6, well below the EPA's maximum contamination limit (MCL) of 20 ppb. However, because this finding was inconsistent with the results of the 12 other outlets tested in the portable buildings, it was retested in January for comparison to the initial test as it's possible that the sample became contaminated due to sample container breakage or external contaminant.

On March 3, 2017, SCS received the results of that testing, and the follow-up analysis showed **no detectable levels of lead** in that third-grade restroom.

The downstairs drinking fountain in the main building yielded results of 10.4 ppb, again, below the level that the EPA has deemed remediation necessary. However, out of an abundance of caution and in cooperation with school efforts to reduce exposure to lead in drinking water, the Sherwood Community Friends Church decided to replace the unit. This unit was decommissioned prior to students returning to school on Monday, January 9, and a new unit was installed later that month. Prior to the church and school communities accessing the new unit, a water sample was collected and analyzed to serve as a 2017 baseline and confirmation that lead levels were reduced. Follow-up analysis of the new drinking fountain also indicated **no detectable levels of lead (ND)**.

The EPA recommends that water fountains and/or outlets be taken out of service if the lead level exceeds 20 parts per billion (ppb). As stated in its Healthy and Safe Schools Plan, if lead levels had been found to be elevated, an appropriate response would have been designed and corrective action would have been taken to reduce those levels. Sherwood Charter School will prevent access to water taps that have more than 20 ppb of lead by shutting off taps, covering water fountains, and making bottled water accessible to students and staff members.

On April 20, 2017, the SCS Healthy and Safe Schools plan was amended and approved by the Sherwood Charter School Board of Directors to include details regarding a future testing schedule.

To guide this decision, in the absence of definitive guidelines on how often to re-test for lead in drinking water, the board considered what would be a prudent testing interval based on the following:

- Results of initial and follow-up water testing which indicated no fixtures need to be monitored;
- Consultation with the testing laboratory, Alexin Analytical, Inc.;
- Consultation with the Coordinator of Drinking Water Programs for public water systems in Oregon at the Environmental Protection Agency (EPA);
- City of Sherwood Water Quality reports, the source of SCS's water supply, indicating no concerns for either lead or copper in drinking water.

The SCS Board of Directors agreed as follows:

1. All testing will be done on the same testing schedule for the sake of convenience to both the SCS and SCFC communities;
2. SCS will continue to use the same laboratory, Alexin Analytics, Inc., for testing, if possible;
3. SCS will retest all fixtures used for drinking or food preparation in the main building leased from SCFC every five (5) years for both lead and copper;
4. SCS will retest all fixtures used for drinking or food preparation in the portables owned or leased by the school as well as all restroom fixtures for both lead and copper;
5. If SCS were to move its facility to a location where water analysis for lead has not been conducted within the past five years, or if SCS were to add a portable building, water samples will be collected and analyzed and fixtures will be remediated as necessary.

Thus, **retesting as stated above will be conducted in January 2022**. If new legislation or guidelines for retesting intervals emerge, SCS will modify this plan as necessary.

COMMUNICATION OF RESULTS TO SCS COMMUNITY

Principal Raboli shared the results with the SCS Board of Directors via email on January 4, 2017, who then distributed them to SCFC in advance of the January 5 meeting.

Results of these initial tests and mitigation efforts were then emailed to parents/students, faculty and staff and posted to the SCS website on January 9, 2017. Results (in hardcopy) were made readily available to parents, guardians, students, school employees, school volunteers, administrators and community representatives at the school's office and on the SCS website as required by law.

A copy of this report was also provided to the Oregon Health Authority, the Sherwood School District (who sponsors our charter agreement), and the Sherwood Community Friends Church on January 9, 2017.

Results of the follow-up water tests were then emailed to parents/students, faculty and staff and posted to the SCS website on March 9, 2017.

An amended Healthy and Safe Schools Plan was emailed to the Oregon Health Authority, the Sherwood School District (who sponsors our charter agreement), and the Sherwood Community Friends Church on April 24, 2017.

The amended Healthy and Safe Schools Plan was emailed to parents/students, faculty and staff and posted to the SCS website on April 27, 2017. Results (in hardcopy) were made readily available to parents, guardians, students, school employees, school volunteers, administrators and community representatives at the school's office and on the SCS website as required by law.

Sherwood Charter School is committed to providing a safe environment for students and staff, and the swift completion of lead testing in its drinking water and subsequent re-testing demonstrate that commitment. We will communicate new information related to this issue as it becomes available.

APPENDICES:

[Appendix A:](#) Oregon Accredited Lab Verification

[Appendix B:](#) Chain of Custody Reports dated November 22, 2017

[Appendix C:](#) Alexin Analytical Laboratories, Inc. Analysis Report dated January 4, 2017

[Appendix D:](#) Chain of Custody Report dated February 24, 2017

[Appendix E:](#) Alexin Analytical Laboratories, Inc. Analysis Report dated March 3, 2017



OREGON

Environmental Laboratory Accreditation Program



ORELAP Fields of Accreditation

ORELAP ID: OR100013

Alexin Analytical Laboratories, Inc.

EPA CODE: OR00031

13035 SW Pacific Hwy

Certificate: OR100013 - 012

Tigard, OR 97223

Issue Date: 5/5/2016 Expiration Date: 5/4/2017

As of 5/5/2016 this list supercedes all previous lists for this certificate number.

MATRIX	Reference	Code	Analyte	Code	Description	
Drinking Water	EPA 200.9 3			10015608	Metals by Graphite Atomic Absorption	
		1005	Antimony			
		1010	Arsenic			
		1020	Beryllium			
		1075	Lead			
		1140	Selenium			
	EPA 245.1 3				10036609	Mercury by Cold Vapor Atomic Absorption
		1095	Mercury			
	EPA 300.0 2.1				10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
		1730	Fluoride			
		1810	Nitrate as N			
		1840	Nitrite as N			
	EPA 524.2 4.1				10088809	Volatile Organic Compounds GC/MS Capillary Column
		5105	1,1,1,2-Tetrachloroethane			
		5160	1,1,1-Trichloroethane			
		5110	1,1,2,2-Tetrachloroethane			
		5165	1,1,2-Trichloroethane			
		4630	1,1-Dichloroethane			
		4640	1,1-Dichloroethylene			
		4670	1,1-Dichloropropene			
		5150	1,2,3-Trichlorobenzene			
		5180	1,2,3-Trichloropropane			
		5155	1,2,4-Trichlorobenzene			
		5210	1,2,4-Trimethylbenzene			
		4610	1,2-Dichlorobenzene			
		4635	1,2-Dichloroethane (Ethylene dichloride)			
		4655	1,2-Dichloropropane			
		5215	1,3,5-Trimethylbenzene			
4615		1,3-Dichlorobenzene				
4660		1,3-Dichloropropane				
4620		1,4-Dichlorobenzene				
4665	2,2-Dichloropropane					
4535	2-Chlorotoluene					
4540	4-Chlorotoluene					
4910	4-Isopropyltoluene (p-Cymene)					
4375	Benzene					
4385	Bromobenzene					



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Drinking Water

EPA 524.2 4.1	4390	Bromochloromethane		
	4395	Bromodichloromethane		
	4400	Bromoform		
	4455	Carbon tetrachloride		
	4475	Chlorobenzene		
	4575	Chlorodibromomethane		
	4485	Chloroethane (Ethyl chloride)		
	4505	Chloroform		
	4705	cis & trans-1,2-Dichloroethene		
	4645	cis-1,2-Dichloroethylene		
	4680	cis-1,3-Dichloropropene		
	4595	Dibromomethane (Methylene bromide)		
	4625	Dichlorodifluoromethane (Freon-12)		
	4765	Ethylbenzene		
	4835	Hexachlorobutadiene		
	4900	Isopropylbenzene (Cumene)		
	5240	m+p-xylene		
	4950	Methyl bromide (Bromomethane)		
	4960	Methyl chloride (Chloromethane)		
	5000	Methyl tert-butyl ether (MTBE)		
	4975	Methylene chloride (Dichloromethane)		
	4435	n-Butylbenzene		
	5090	n-Propylbenzene		
	5005	Naphthalene		
	5250	o-Xylene		
	4440	sec-Butylbenzene		
	5100	Styrene		
	4445	tert-Butylbenzene		
	5115	Tetrachloroethylene (Perchloroethylene)		
	5140	Toluene		
	5205	Total trihalomethanes		
	4700	trans-1,2-Dichloroethylene		
	4685	trans-1,3-Dichloropropylene		
	5170	Trichloroethene (Trichloroethylene)		
	5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)		
	5235	Vinyl chloride		
	5260	Xylene (total)		
SM 3111 B 19th ED			20054802	Metals by Flame Atomic Absorption
	1055	Copper		
SM 3113 B 19th ED			20058406	Metals by Graphite Furnace Atomic Absorption
	1030	Cadmium		



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Field of Accreditation	Method	Parameter	Method ID	Method Description	
Drinking Water	SM 4500-CN C 19th ED	1645 Total cyanide	20091401	Cyanide, Total After Distillation	
	SM 4500-CN E 19th ED	1645 Total cyanide	20092200	Cyanide by Colorimetric Determination	
	SM 4500-NO ₂ ⁻ B 19th ED	1840	Nitrite as N	20112407	Nitrite by Colorimetric Determination
		1810	Nitrate as N	20113400	Nitrate Nitrogen by Selective Electrode
	SM 6251 B 19th ED	9312	Bromoacetic acid	20148601	Disinfection by-products Liquid/Liquid and GC/ECD
		9336	Chloroacetic acid		
		9357	Dibromoacetic acid		
		9360	Dichloroacetic acid		
		9642	Trichloroacetic acid		
	SM 9215 B (PCA) 21st ED	2555	Heterotrophic plate count	20181402	Heterotrophic Plate Count Pour Plate (plate count agar): Heterotrophic Bacteria
		2525	Escherichia coli	20213405	Chromogenic/Fluorogenic Quantitative (Colilert®-18): Total Coliform and E. coli
	2500	Total coliforms			
	SM 9223 B (Colilert®-18) 21st ED	2525	Escherichia coli	20214408	Chromogenic/Fluorogenic Qualitative (Colilert®-18): Total Coliform and E. coli
		2500	Total coliforms		
	SM 9223 B (Colisure® Quanti-Tray®) 21st ED	2525	Escherichia coli	20230608	Chromogenic/Fluorogenic Quantitative (Colisure®): Total Coliform and E. coli
2500		Total coliforms			
SM 9223 B (Colisure®) 21st ED	2525	Escherichia coli	20231601	Chromogenic/Fluorogenic Qualitative (Colisure®): Total Coliform and E. coli	
	2500	Total coliforms			
Non-Potable Water	EPA 160.2	1960 Residue-nonfilterable (TSS)	10256403	Total Suspended Solids, 0.2um dried @105C	
	EPA 180.1	2055	Turbidity	10011402	Turbidity - Nephelometric
		1530	Biochemical oxygen demand	10075408	Biochemical Oxygen Demand (5 days @ 20 C).
	EPA 405.1				

Non-Potable Water

SM 9221 E (A1) + C MPN 21st ED	2530	Fecal coliforms	20196401	Multiple Tube Fermentation Quantitative (A1 medium): Fecal Coliform
SM 9223 B (Colilert®-18 Quanti-Tray®) 21st ED	2525	Escherichia coli	20213405	Chromogenic/Fluorogenic Quantitative (Colilert®-18): Total Coliform and E. coli
	2500	Total coliforms		
SM 9223 B (Colisure® Quanti-Tray®) 21st ED	2525	Escherichia coli	20230608	Chromogenic/Fluorogenic Quantitative (Colisure®): Total Coliform and E. coli
	2500	Total coliforms		





Professional Laboratory Services

Chain of Custody Record

Laboratory Job Number: 6327607-01-16

Page 1 of 2

13035 SW Pacific Hwy Tigard, OR 97223 ph: 503.639.9311 fax: 503.684.1588 email: mail@alexinlbs.com

Client Contact Information	Results Reporting Information	Invoicing Information
Company/Client Name: <u>Sherwood Charter School</u>	Project Manager: <u>Joy Rabolt</u>	Accounts Payable Contact: <u>Joy Rabolt</u>
Address: <u>2324 SW Main St.</u>	Mailing Address: <u>Same</u>	Mailing Address: <u>Same</u>
City/State/Zip: <u>Sherwood OR 97140</u>	City/State/Zip: <u>org</u>	City/State/Zip: <u>Same</u>
phone: <u>503-925-8007</u>	phone: <u>J.Rabolt@SherwoodCharterSchool.org</u>	phone: <u>Same</u>
fax or email: <u>J.Rabolt@SherwoodCharterSchool.org</u>	fax or email: <u>J.Rabolt@SherwoodCharterSchool.org</u>	fax or email: <u>J.Rabolt@SherwoodCharterSchool.org</u>

SAMPLING INFORMATION

Sampling Location: School P.O. #: _____

Sampled By: _____ Project Name: _____ Project #: _____

Send results to OR State Health Division? (Please circle) Yes No Permit #: _____

6327607

pd 334002 ac
03 11/22/16

Lab ID	Sample Identification	Date Collected	Time Collected (Begin-End if comm.)	Sample Matrix*	# of cont. rec'd	Analysis Requested**	Sample Specific Notes/Field Data
-01	Kitchen Right Sink	11/22/16	8:05am	DW			SEE ATTACHED
-02	Kitchen Left Sink	11/22/16	8:04am	DW			Lead in Water DW
-03	Church upstairs Drinking Fountain	11/22/16	8:03am	DW			
-04	Church Downstairs Drinking Fountain	11/22/16	8:06am	DW			
-05	Science Faucet	11/22/16	8:20am	DW			
-06	Art Drinking Fountain	11/22/16	8:20am	DW			
-07	Science Drinking Fountain	11/22/16	8:20am	DW			
-08	Hepatitis	11/22/16	8:15am	DW			
-09	Math	11/22/16	8:15am	DW			
-10	ShGrade	11/22/16	8:05am	DW			

Relinquished By (print): _____ Company: _____ Date/Time: _____ Signature: _____

Relinquished By (print): _____ Company: _____ Date/Time: _____ Signature: _____

Received by Laboratory Log-In Staff: [Signature] Date/Time: 11/22/16 10:08 Temp. on receipt: 75 °C On ice? Y Containers Intact? Y ID: TRM-10-01

* Drinking water (DW), effluent (EFF), ground water (GW), influent (INF), non-aqueous liquid (NAL), paint chips, raw water (RW), sludge, soil, solid, source water (SOURCE), spring, stormwater (SW), surface water, wastewater (WW), well water (WELL)

** Analyses for SOC, Radionuclide, Radon, and Asbestos are subcontracted out to other accredited laboratories.

COC-90-006rev0.1



Professional Laboratory Services

Chain of Custody Record

Laboratory Job Number: 6397007-1417

13035 SW Pacific Hwy Tigard, OR 97223 ph: 503.639.9311 fax: 503.684.1588 email: mail@alexinlabs.com

Client Contact Information	Results Reporting Information	Invoicing Information
Company/Client Name: <u>Sherwood Charter School</u>	Project Manager: <u>Joy Raboli</u>	Accounts Payable Contact: <u>Joy Raboli</u>
Address: <u>23264 SW Main St.</u>	Mailing Address: <u>Same</u>	Mailing Address: <u>Stine</u>
City/State/Zip: <u>Sherwood OR 97140</u>	City/State/Zip:	City/State/Zip:
phone: <u>503-925-8007</u>	phone:	phone:
fax or email:	fax or email: <u>jraboli@sherwoodcharter-school.org</u>	fax or email: <u>jraboli@sherwoodcharter-school.org</u>

SAMPLING INFORMATION

Sampling Location: School P.O. #: _____ PWSID #: _____
 Sampled By: _____ Project Name: _____ Project #: _____ Permit #: _____
 Send results to OR State Health Division? (Please circle) Yes No

6397007

* 11/23/16, per client. as 11/23/16

Lab ID	Sample Identification	Date Collected	Time Collected (Begin/End If Comp.)	Sample Matrix*	# of cont. rec'd	Analysis Requested**	Sample Specific Notes/Field Data for each WW sample, specify Grab / Composite for each DW sample, specify Raw / Treated , Source / Distribution, Single / Combined WHERE APPLICABLE
-11	3rd grade	11/23/16	8:08am	DW			SEE ATTACHED
-12	2nd grade	11/23/16*	8:03am	DW			Lead in Water DW
-13	4th grade	11/23/16*	8:03am	DW			
-14	Art faucet - Pull out	11/23/16*	9:20am	DW			
-15	Art bathroom	11/23/16*	9:21am	DW			
-16	Science bathroom	11/23/16*	9:23AM	DW			
-17	Science faucet Art room sink	11/23/16*	9:25AM	DW			

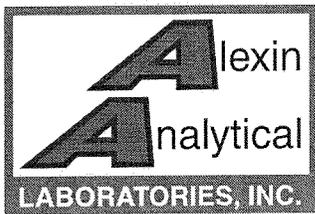
Relinquished By (print): _____ Company: _____ Date/Time: _____ Signature: _____
 Relinquished By (print): _____ Company: _____ Date/Time: _____ Signature: _____

Received by Laboratory Log-In Staff: DA Date/Time: 11/23/16 Temp. on receipt: _____ °C On ice? Y N
 Containers Intact? N ID: TRM-10- _____

The most current revision of SOP-10-003 was used when these samples were collected

* Drinking water (DW), effluent (EFF), ground water (GW), influent (INF), non-aqueous liquid (NAL), paint chips, raw water (RW), sludge, soil, solid, source water (SOURCE), spring, stormwater (SW), surface water, wastewater (WW), well water (WELL)

** Analyzes for SOC, Radionuclide, Radon, and Asbestos are subcontracted out to other accredited laboratories.



**Professional
Laboratory
Services**

13035 SW Pacific Hwy
Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT

ORELAP Accredited Lab#: OR-100013

Reported: 01/04/2017
Received: 11/22/2016
Sampled By:
Work Order: 6327007

C **Sherwood Charter School**
L Attn: Joy Raboli
I 23264 SW Main St.
E Sherwood OR, 97140
N Phone: (503) 925-8007
T

Project:
Project # : N/A
Sample Type :

Sampling Location: School

Lab Number

	Code	Method	Result	Units	MRL	EPA MCL*	Analysis Date/ Time
6327007-01	Sample Name: Kitchen Right Sink Sampled: 11/22/16 8:05		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-02	Sample Name: Kitchen Left Sink Sampled: 11/22/16 8:04		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-03	Sample Name: Church Upstairs Drinking Fountain Sampled: 11/22/16 8:03		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-04	Sample Name: Church Downstairs Drinking Fountain Sampled: 11/22/16 8:06		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	10.4	ppb	2.0	20 ppb	01/03/17 16:03
6327007-05	Sample Name: Science Faucet Sampled: 11/22/16 8:20		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-06	Sample Name: Art Drinking Fountain Sampled: 11/22/16 8:20		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-07	Sample Name: Science Drinking Fountain Sampled: 11/22/16 8:20		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-08	Sample Name: Humanities Sampled: 11/22/16 8:15		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-09	Sample Name: Math Sampled: 11/22/16 8:15		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-10	Sample Name: 5th Grade Sampled: 11/22/16 8:05		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03



**Professional
Laboratory
Services**

13035 SW Pacific Hwy
Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT

ORELAP Accredited Lab#: OR-100013

Reported: 01/04/2017
Received: 11/22/2016
Sampled By:
Work Order: 6327007

C Sherwood Charter School
L Attn: Joy Raboli
I 23264 SW Main St.
E Sherwood OR, 97140
N Phone: (503) 925-8007
T

Project:
Project # : N/A
Sample Type :

Sampling Location: School

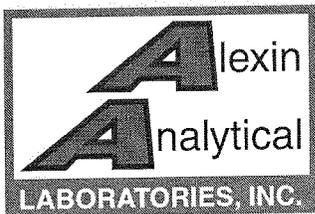
Lab Number

Lab Number	Code	Method	Result	Units	MRL	EPA MCL*	Analysis Date/ Time
6327007-11	Sample Name: 3rd Grade Sampled: 11/22/16 8:08		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	2.6	ppb	2.0	20 ppb	01/03/17 16:03
6327007-12	Sample Name: 2nd Grade Sampled: 11/22/16 8:03		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-13	Sample Name: 4th Grade Sampled: 11/22/16 8:03		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-14	Sample Name: Art Faucet - Pull Out Sampled: 11/22/16 9:20		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-15	Sample Name: Art bathroom Sampled: 11/22/16 9:21		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-16	Sample Name: Science bathroom Sampled: 11/22/16 9:23		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-17	Sample Name: Faucet Art Sink Sampled: 11/22/16 9:25		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03
6327007-18	Sample Name: Bottled water dispenser - back office Sampled: 11/30/16 7:36		Matrix: Drinking Water				
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	01/03/17 16:03

ND = None detected at the MRL **MRL** = Minimum Reporting Limit **MCL** = Maximum Contamination Limit

†All procedures for this analysis are in accordance with NELAP standards.

* The EPA MCL for Lead in Public Drinking Water Systems is 15 ppb. For school, daycare, or non-residential building testing the EPA recommends outlets be taken out of service if the lead level exceeds 20 ppb; this is a maximum contamination level for lead in samples based on a 250 mL first-draw sample, exceedences require remediation or further sampling. This is not an acceptance level for health based exposure.



Professional Laboratory Services

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ANALYSIS REPORT

ORELAP Accredited Lab#: OR-100013

Reported: 01/04/2017

Received: 11/22/2016

Sampled By:

Work Order: 6327007

C Sherwood Charter School
L Attn: Joy Raboli
I 23264 SW Main St.
E Sherwood OR, 97140
N Phone: (503) 925-8007
T

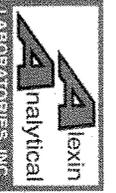
Project:
Project # : N/A
Sample Type :

Sampling Location: School

Lab Number

Approved by: _____


Adriana Gonzalez-Gray
Laboratory Director



Professional Laboratory Services

Chain of Custody Record

Laboratory Job Number: 7055003-01-03

Page 1 of 1

13035 SW Pacific Hwy Tigard, OR 97223 ph: 503.639.9311 fax: 503.684.1588 email: mail@alexinlabs.com

Client Contact Information	Results Reporting Information	Invoicing Information
Company/Client Name: <u>Sheward Charter</u>	Project Manager: <u>Jy Robell</u>	Accounts Payable Contact:
Address: <u>23264 SW Main St.</u>	Mailing Address:	Mailing Address:
City/State/Zip: <u>Shenwood, OR 97140</u>	City/State/Zip:	City/State/Zip:
phone: <u>503-925-2007</u>	phone:	phone:
fax or email: <u>jaby@shewardcharter.com</u>	fax or email:	fax or email:

SAMPLING INFORMATION

Sampling Location: _____ P.O. #: _____ PWSID #: _____

Sampled By: _____ Project Name: _____ Project #: _____ Permit #: _____

Send results to OR State Health Division? (Please circle) Yes No

** INVOICE SEP. 02 3/24/12*

** per client. 02 2/24/12*

*lead **

Lab ID	Sample Identification	Date		Time		Sample Matrix*	# of cont. rec'd	Analysis Requested**				SEE ATTACHED
		Collected	(Begin/End if comp.) Collected	Collected	Collected							
-01	Downstairs Fountain "water" #1	2-24	8:02am									
-02	Downstairs Fountain "water" #2	2-24	8:02am									
-03	3rd grade #3	2-24	8:02am									

Relinquished By (print): _____ Company: _____ Date/Time: _____ Signature: _____

Received By: _____ Company: _____ Date/Time: _____ Signature: _____

Relinquished By (print): _____ Company: _____ Date/Time: _____ Signature: _____

Received By: _____ Company: _____ Date/Time: _____ Signature: _____

The most current revision of SOP-10-003 was used when these samples were collected

Received by Laboratory Log-In Staff: _____ Date/Time: _____ Temp. on receipt: _____ °C On ice? Y N

Containers Intact? Y N ID: TRM-10-_____

* Drinking water (DW), effluent (EFF), ground water (GW), influent (INF), non-aqueous liquid (NAL), paint chips, raw water (RW), sludge, soil, solid, source water (SOURCE), spring, stormwater (SW), surface water, wastewater (WW), well water (WELL)

** Analyses for SOC, Radionuclide, Radon, and Asbestos are subcontracted out to other accredited laboratories.

COC-90-006rev0.1



**Professional
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13035 SW Pacific Hwy
Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT

ORELAP Accredited Lab#: OR-100013

Reported: 03/03/2017

Received: 02/24/2017

Sampled By:

Work Order: 7055003

C **Sherwood Charter School**
L Attn: Joy Raboli
I 23264 SW Main St.
E Sherwood OR, 97140
N Phone: (503) 925-8007
T

Project:
Project # : N/A
Sample Type :

Sampling Location:

Lab Number

	Code	Method	Result	Units	MRL	EPA MCL*	Analysis Date/ Time
7055003-01	Sample Name: Downstairs Fountain water fountain #1 Sampled: 2/24/17 8:02						Matrix: Water
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	03/01/17 14:04
7055003-02	Sample Name: Downstairs Fountain bottle filler #2 Sampled: 2/24/17 8:02						Matrix: Water
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	03/01/17 14:04
7055003-03	Sample Name: 3rd grade #3 Sampled: 2/24/17 8:18						Matrix: Water
+Lead	1030	EPA 200.9	ND	ppb	2.0	20 ppb	03/01/17 14:04

ND = None detected at the MRL **MRL** = Minimum Reporting Limit **MCL** = Maximum Contamination Limit

†All procedures for this analysis are in accordance with NELAP standards.

* The EPA MCL for Lead in Public Drinking Water Systems is 15 ppb. For school, daycare, or non-residential building testing the EPA recommends outlets be taken out of service if the lead level exceeds 20 ppb; this is a maximum contamination level for lead in samples based on a 250 mL first-draw sample, exceedences require remediation or further sampling. This is not an acceptance level for health based exposure.

Approved by: 
Adriana Gonzalez-Gray
Laboratory Director

This report shall not be reproduced, except in full, without the written approval of the laboratory.