Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Thursday, January 9, 2020

Jared Plahn
St.Helens School District
474 N 16th St.
St.Helens, OR 97051

RE: A9L0950 - Plymouth HS - Drinking Water

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A9L0950, which was received by the laboratory on 12/23/2019 at 9:00:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: KFriscia@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample reciept, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler#1	13.5 degC	Cooler#2	13.3 degC
Cooler#3	13.4 degC		

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories



Kevin J. Friscia, Project Manager

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St.Helens School District	Project: **Plymouth HS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0950 - 01 09 20 1432**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PHS-1:Staff Room Sink	A9L0950-01	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-2:Staff Restroom Sink	A9L0950-02	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-3:Staff Restroom Sink	A9L0950-03	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-4	A9L0950-04	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-5	A9L0950-05	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-6	A9L0950-06	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-7	A9L0950-07	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-8	A9L0950-08	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-9	A9L0950-09	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-10	A9L0950-10	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-11	A9L0950-11	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-12	A9L0950-12	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-13	A9L0950-13	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-14	A9L0950-14	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-15	A9L0950-15	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-16	A9L0950-16	Drinking Water	12/21/19 00:00	12/23/19 09:00
PHS-17	A9L0950-17	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-1	A9L0950-18	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-2	A9L0950-19	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-3	A9L0950-20	Drinking Water	12/21/19 00:00	12/23/19 09:00

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474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0950 - 01 09 20 1432**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PHS-1:Staff Room Sink (A9L0950-01)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**1.08**	---	0.200	ug/L	1	01/08/20 11:08	EPA 200.8	
PHS-2:Staff Restroom Sink (A9L0950-02)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.582**	---	0.200	ug/L	1	01/08/20 11:11	EPA 200.8	
PHS-3:Staff Restroom Sink (A9L0950-03)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.368**	---	0.200	ug/L	1	01/08/20 11:13	EPA 200.8	
PHS-4 (A9L0950-04)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**1.59**	---	0.200	ug/L	1	01/08/20 11:15	EPA 200.8	
PHS-5 (A9L0950-05)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**2.71**	---	0.200	ug/L	1	01/08/20 11:17	EPA 200.8	
PHS-6 (A9L0950-06)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	ND	---	0.200	ug/L	1	01/08/20 11:19	EPA 200.8	
PHS-7 (A9L0950-07)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	ND	---	0.200	ug/L	1	01/08/20 11:22	EPA 200.8	
PHS-8 (A9L0950-08)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.427**	---	0.200	ug/L	1	01/08/20 11:24	EPA 200.8	
PHS-9 (A9L0950-09)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.332**	---	0.200	ug/L	1	01/08/20 11:26	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PHS-10 (A9L0950-10)				**Matrix: Drinking Water**				
Batch: 0010175								
Lead	**0.242**	---	0.200	ug/L	1	01/07/20 19:03	EPA 200.8	**DW-D**
PHS-11 (A9L0950-11)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	ND	---	0.200	ug/L	1	01/08/20 11:32	EPA 200.8	
PHS-12 (A9L0950-12)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.223**	---	0.200	ug/L	1	01/08/20 11:35	EPA 200.8	
PHS-13 (A9L0950-13)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.218**	---	0.200	ug/L	1	01/08/20 11:37	EPA 200.8	
PHS-14 (A9L0950-14)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**1.39**	---	0.200	ug/L	1	01/08/20 11:39	EPA 200.8	
PHS-15 (A9L0950-15)				**Matrix: Drinking Water**				
Batch: 0010147								
Lead	**1.02**	---	0.200	ug/L	1	01/08/20 12:33	EPA 200.8	
PHS-16 (A9L0950-16)				**Matrix: Drinking Water**				
Batch: 0010147								
Lead	**0.435**	---	0.200	ug/L	1	01/08/20 12:35	EPA 200.8	
PHS-17 (A9L0950-17)				**Matrix: Drinking Water**				
Batch: 0010147								
Lead	**0.291**	---	0.200	ug/L	1	01/08/20 12:37	EPA 200.8	
MS-1 (A9L0950-18)				**Matrix: Drinking Water**				
Batch: 0010147								
Lead	**1.24**	---	0.200	ug/L	1	01/08/20 12:39	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-2 (A9L0950-19)				**Matrix: Drinking Water**				
Batch: 0010147								
Lead	ND	---	0.200	ug/L	1	01/08/20 12:42	EPA 200.8	
MS-3 (A9L0950-20)				**Matrix: Drinking Water**				
Batch: 0010147								
Lead	ND	---	0.200	ug/L	1	01/08/20 12:44	EPA 200.8	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010143 - Matrix Matched Direct Inject											**Drinking Water**	
Blank (0010143-BLK1)		Prepared: 01/06/20 15:12		Analyzed: 01/08/20 10:40								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010143-BS1)		Prepared: 01/06/20 15:12		Analyzed: 01/08/20 10:42								
EPA 200.8												
Lead	16.1	---	0.200	ug/L	1	16.7	---	97	85 - 115%	---	---	
Matrix Spike (0010143-MS2)		Prepared: 01/06/20 15:12		Analyzed: 01/08/20 11:41								
QC Source Sample: PHS-14 (A9L0950-14)												
EPA 200.8												
Lead	18.3	---	0.200	ug/L	1	16.7	1.39	102	70 - 130%	---	---	
Batch 0010147 - Matrix Matched Direct Inject											**Drinking Water**	
Blank (0010147-BLK1)		Prepared: 01/06/20 16:33		Analyzed: 01/08/20 11:43								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010147-BS1)		Prepared: 01/06/20 16:33		Analyzed: 01/08/20 11:46								
EPA 200.8												
Lead	16.2	---	0.200	ug/L	1	16.7	---	97	85 - 115%	---	---	
Matrix Spike (0010147-MS2)		Prepared: 01/06/20 16:33		Analyzed: 01/08/20 12:46								
QC Source Sample: MS-3 (A9L0950-20)												
EPA 200.8												
Lead	15.6	---	0.200	ug/L	1	16.7	ND	93	70 - 130%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010175 - EPA 3015A												**Drinking Water**
Blank (0010175-BLK1)		Prepared: 01/07/20 11:54		Analyzed: 01/07/20 18:30								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010175-BS1)		Prepared: 01/07/20 11:54		Analyzed: 01/07/20 18:32								
EPA 200.8												
Lead	16.8	---	0.200	ug/L	1	16.7	---	101	85 - 115%	---	---	

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SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0010175							
A9L0950-10	Drinking Water	EPA 200.8	12/21/19 00:00	01/07/20 11:54	45mL/50mL	45mL/50mL	1.00

Prep: Matrix Matched Direct Inject

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0010143							
A9L0950-01	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-02	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-03	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-04	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-05	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-06	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-07	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-08	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-09	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-11	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-12	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-13	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0950-14	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
Batch: 0010147							
A9L0950-15	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 16:33	45mL/50mL	45mL/50mL	1.00
A9L0950-16	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 16:33	45mL/50mL	45mL/50mL	1.00
A9L0950-17	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 16:33	45mL/50mL	45mL/50mL	1.00
A9L0950-18	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 16:33	45mL/50mL	45mL/50mL	1.00
A9L0950-19	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 16:33	45mL/50mL	45mL/50mL	1.00
A9L0950-20	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 16:33	45mL/50mL	45mL/50mL	1.00

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QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

DW-D	Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported.

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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LABORATORY ACCREDITATION INFORMATION

TNI Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories



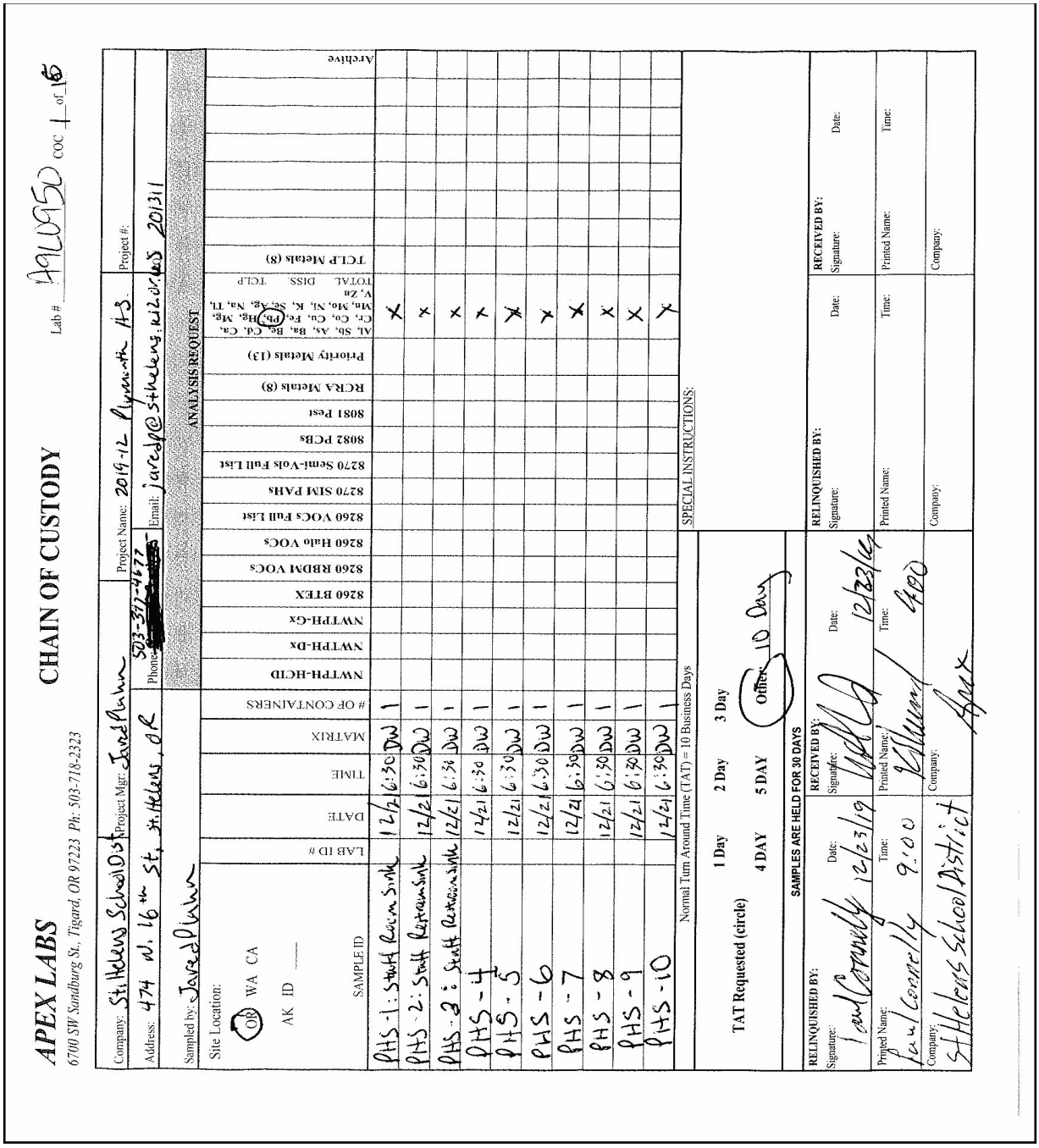
Kevin J. Friscia, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **Plymouth HS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0950 - 01 09 20 1432**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0950 COC 1 of 1

Company: St. Helens School Dist | Project Mgr: Jared Plahn | Project Name: 2019-12 Plymouth HS | Project #:
Address: 474 N. 16th St, St. Helens, OR | Phone: 503-397-4677 | Email: jaredp@sthelens.k12.or.us 201311
Sampled by: Jared Plahn

Site Location: OR WA CA AK ID

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
PHS-1: Staff Restroom		12/2	6:30	DW	1														X	
PHS-2: Staff Restroom		12/2	6:30	DW	1														X	
PHS-3: Staff Restroom		12/21	6:30	DW	1														X	
PHS-4		12/21	6:30	DW	1														X	
PHS-5		12/21	6:30	DW	1														X	
PHS-6		12/21	6:30	DW	1														X	
PHS-7		12/21	6:30	DW	1														X	
PHS-8		12/21	6:30	DW	1														X	
PHS-9		12/21	6:30	DW	1														X	
PHS-10		12/21	6:30	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other 10 Days

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 12/23/19	Date: 12/23/19	Date: 12/23/19	Date:
Time: 9:00	Time: 9:00	Time: 4:00	Time:
Printed Name: Jared Plahn	Printed Name:	Printed Name:	Printed Name:
Company: St Helens School District	Company: Apex	Company:	Company:

Apex Laboratories

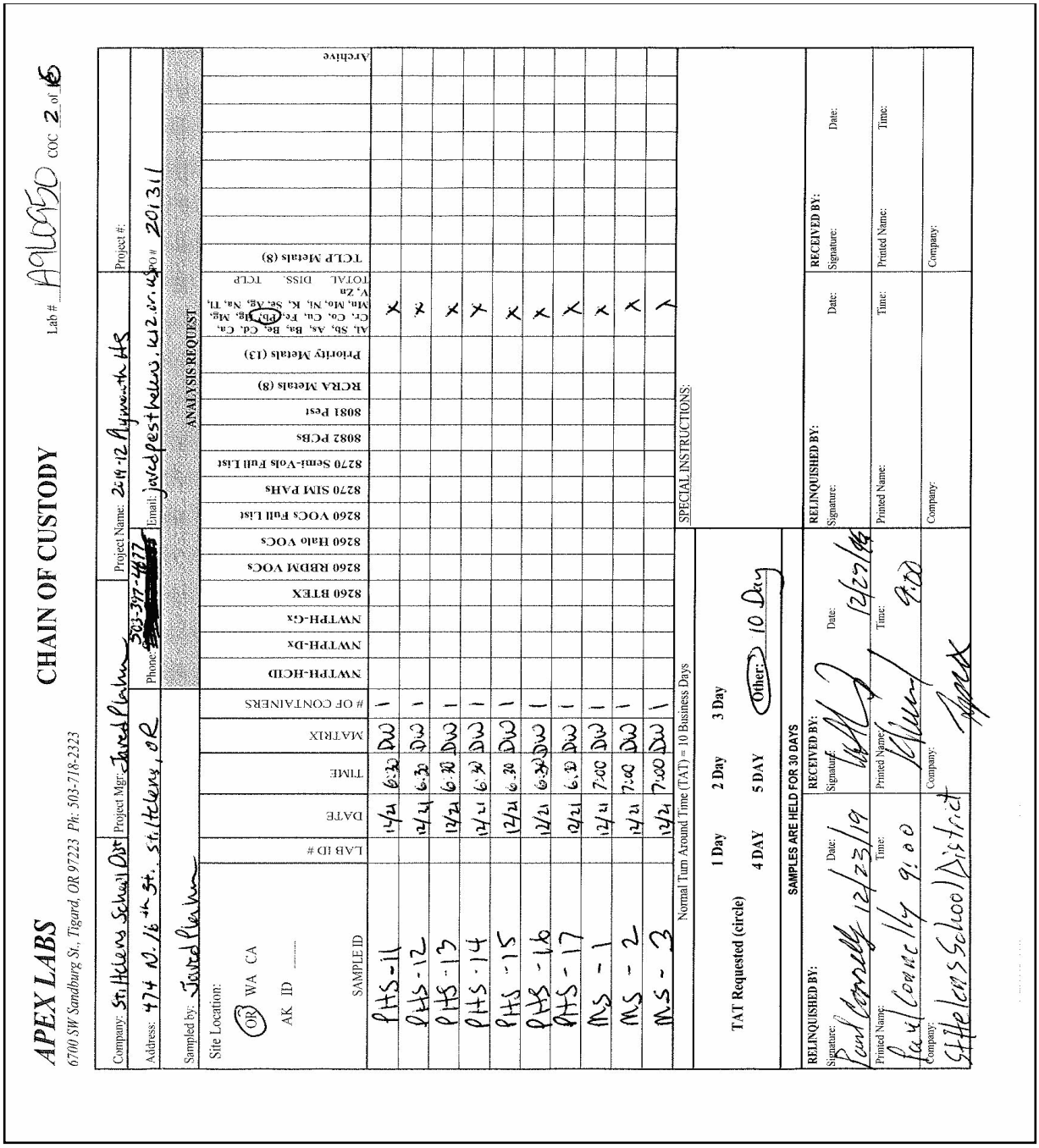
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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **Plymouth HS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0950 - 01 09 20 1432**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0950 COC 2 of 15

Company: St Helens School Dist | Project Mgr: Jared Plahn | Project Name: 2016-12 Plymouth HS | Project #:
Address: 474 N. 16th St. St. Helens, OR | Phone: 503-397-4477 | Email: jaredp@sthelens.k12.or.us | PO # 201311
Sampled by: Jared Plahn

Site Location: (OR) WA CA AK ID .....

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
PHS-11		12/21	6:30	DW	1														X	
PHS-12		12/21	6:30	DW	1														X	
PHS-13		12/21	6:30	DW	1														X	
PHS-14		12/21	6:30	DW	1														X	
PHS-15		12/21	6:30	DW	1														X	
PHS-16		12/21	6:30	DW	1														X	
PHS-17		12/21	6:30	DW	1														X	
MS-1		12/21	7:00	DW	1														X	
MS-2		12/21	7:00	DW	1														X	
MS-3		12/21	7:00	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: 10 Day

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Paul Connelly	Signature:	Signature:	Signature:
Printed Name: Paul Connelly	Printed Name:	Printed Name:	Printed Name:
Company: St Helens School District	Company: Apex	Company:	Company:
Date: 12/23/19	Date: 12/27/19	Date:	Date:
Time: 9:00	Time: 9:00	Time:	Time:

Apex Laboratories

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **Plymouth HS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0950 - 01 09 20 1432**

APEX LABS COOLER RECEIPT FORM

Client: St Helens School District Element WO#: A9 L0950

Project/Project #: 2019-12 / ~~2019~~ (12) Plymouth HS

Delivery Info:

Date/time received: 12/23/19 @ 900 By: KRS

Delivered by: Apex____Client X ESS____FedEx____UPS____Swift____Senvoy____SDS____Other____

Cooler Inspection Date/time inspected: 12/23/19 @ 956 By: (SC)

Chain of Custody included? Yes X No ___ Custody seals? Yes____ No X

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	13.5	13.3	13.4				
Received on ice? (Y/N)	N	N	N				
Temp. blanks? (Y/N)	N	N	N				
Ice type: (Gel/Real/Other)	N/A	N/A	N/A				
Condition:	out	out	out				

Cooler out of temp? (Y/N) Possible reason why: Drinking Waters

If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/(NA)

Out of temperature samples form initiated? Yes/No/(NA)

Samples Inspection: Date/time inspected: 12/24/19 @ 15:00 By: MS

All samples intact? Yes X No ___ Comments:

Bottle labels/COCs agree? Yes X No ___ Comments:

COC/container discrepancies form initiated? Yes ___ No ___ NA X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments:

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments

Water samples: pH checked: Yes X No___NA___ pH appropriate? Yes X No___NA___

Comments:

Additional information:

Labeled by: JS Witness: (SC) Cooler Inspected by: MS See Project Contact Form: Y

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Thursday, January 9, 2020

Jared Plahn
St.Helens School District
474 N 16th St.
St.Helens, OR 97051

RE: A9L0929 - St.Helens MS - Drinking Water

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A9L0929, which was received by the laboratory on 12/23/2019 at 9:00:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: KFriscia@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample reciept, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	13.5 degC	Cooler #2	13.3 degC
Cooler #3	13.4 degC		

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MS-4	A9L0929-01	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-5	A9L0929-02	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-6	A9L0929-03	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-7	A9L0929-04	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-8	A9L0929-05	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-9	A9L0929-06	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-10	A9L0929-07	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-11	A9L0929-08	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-12	A9L0929-09	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-13	A9L0929-10	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-14	A9L0929-11	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-15	A9L0929-12	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-16	A9L0929-13	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-17	A9L0929-14	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-18	A9L0929-15	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-19	A9L0929-16	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-20	A9L0929-17	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-21	A9L0929-18	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-22	A9L0929-19	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-23	A9L0929-20	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-24	A9L0929-21	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-25	A9L0929-22	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-26	A9L0929-23	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-27	A9L0929-24	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-28	A9L0929-25	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-29	A9L0929-26	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-30	A9L0929-27	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-31	A9L0929-28	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-32	A9L0929-29	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-33	A9L0929-30	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-34	A9L0929-31	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-35	A9L0929-32	Drinking Water	12/21/19 00:00	12/23/19 09:00

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MS-36	A9L0929-33	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-37	A9L0929-34	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-38	A9L0929-35	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-39	A9L0929-36	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-40	A9L0929-37	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-41	A9L0929-38	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-42	A9L0929-39	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-43	A9L0929-40	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-44	A9L0929-41	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-45	A9L0929-42	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-46	A9L0929-43	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-47	A9L0929-44	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-48	A9L0929-45	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-49	A9L0929-46	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-50	A9L0929-47	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-51	A9L0929-48	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-52	A9L0929-49	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-53	A9L0929-50	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-54	A9L0929-51	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-55	A9L0929-52	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-56	A9L0929-53	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-57	A9L0929-54	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-58	A9L0929-55	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-59	A9L0929-56	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-60	A9L0929-57	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-61	A9L0929-58	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-62	A9L0929-59	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-63	A9L0929-60	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-64	A9L0929-61	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-65	A9L0929-62	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-66	A9L0929-63	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-67	A9L0929-64	Drinking Water	12/21/19 00:00	12/23/19 09:00

Apex Laboratories



Kevin J. Friscia, Project Manager

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Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MS-68	A9L0929-65	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-69	A9L0929-66	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-70	A9L0929-67	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-71	A9L0929-68	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-72	A9L0929-69	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-73	A9L0929-70	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-74	A9L0929-71	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-75	A9L0929-72	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-76	A9L0929-73	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-77	A9L0929-74	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-78	A9L0929-75	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-79	A9L0929-76	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-80	A9L0929-77	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-81	A9L0929-78	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-82	A9L0929-79	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-83	A9L0929-80	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-84	A9L0929-81	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-85	A9L0929-82	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-86	A9L0929-83	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-87	A9L0929-84	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-88	A9L0929-85	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-89	A9L0929-86	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-90	A9L0929-87	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-91	A9L0929-88	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-92	A9L0929-89	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-93	A9L0929-90	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-94	A9L0929-91	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-95	A9L0929-92	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-96	A9L0929-93	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-97	A9L0929-94	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-98	A9L0929-95	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-99	A9L0929-96	Drinking Water	12/21/19 00:00	12/23/19 09:00

Apex Laboratories



Kevin J. Friscia, Project Manager

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MS-100	A9L0929-97	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-101	A9L0929-98	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-102	A9L0929-99	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-103	A9L0929-AA	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-104	A9L0929-AB	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-105	A9L0929-AC	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-106	A9L0929-AD	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-107	A9L0929-AE	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-108	A9L0929-AF	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-109	A9L0929-AG	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-110	A9L0929-AH	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-111	A9L0929-AI	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-112	A9L0929-AJ	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-113	A9L0929-AK	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-114	A9L0929-AL	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-115	A9L0929-AM	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-116	A9L0929-AN	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-117	A9L0929-AO	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-118	A9L0929-AP	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-119	A9L0929-AQ	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-120	A9L0929-AR	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-121	A9L0929-AS	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-122	A9L0929-AT	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-123	A9L0929-AU	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-124	A9L0929-AV	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-125	A9L0929-AW	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-126	A9L0929-AX	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-127	A9L0929-AY	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-128	A9L0929-AZ	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-129	A9L0929-BA	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-130	A9L0929-BB	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-131	A9L0929-BC	Drinking Water	12/21/19 00:00	12/23/19 09:00

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EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MS-132	A9L0929-BD	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-133	A9L0929-BE	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-134	A9L0929-BF	Drinking Water	12/21/19 00:00	12/23/19 09:00
MS-135	A9L0929-BG	Drinking Water	12/21/19 00:00	12/23/19 09:00

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St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-4 (A9L0929-01)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	**1.48**	---	0.200	ug/L	1	01/07/20 11:40	EPA 200.8	
MS-5 (A9L0929-02)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 11:42	EPA 200.8	
MS-6 (A9L0929-03)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 11:44	EPA 200.8	
MS-7 (A9L0929-04)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 11:46	EPA 200.8	
MS-8 (A9L0929-05)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 11:53	EPA 200.8	
MS-9 (A9L0929-06)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 11:55	EPA 200.8	
MS-10 (A9L0929-07)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:02	EPA 200.8	
MS-11 (A9L0929-08)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:04	EPA 200.8	
MS-12 (A9L0929-09)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:06	EPA 200.8	

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St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-13 (A9L0929-10)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:09	EPA 200.8	
MS-14 (A9L0929-11)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:11	EPA 200.8	
MS-15 (A9L0929-12)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	**1.12**	---	0.200	ug/L	1	01/07/20 12:13	EPA 200.8	
MS-16 (A9L0929-13)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	**4.00**	---	0.200	ug/L	1	01/07/20 12:15	EPA 200.8	
MS-17 (A9L0929-14)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	**0.711**	---	0.200	ug/L	1	01/07/20 12:17	EPA 200.8	
MS-18 (A9L0929-15)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	**1.73**	---	0.200	ug/L	1	01/07/20 12:19	EPA 200.8	
MS-19 (A9L0929-16)				**Matrix: Drinking Water**				
Batch: 0010175								
Lead	**13.1**	---	0.200	ug/L	1	01/07/20 18:48	EPA 200.8	**DW-D**
MS-20 (A9L0929-17)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	**4.58**	---	0.200	ug/L	1	01/07/20 12:22	EPA 200.8	
MS-21 (A9L0929-18)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	**2.49**	---	0.200	ug/L	1	01/07/20 12:28	EPA 200.8	

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St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-22 (A9L0929-19)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	**4.13**	---	0.200	ug/L	1	01/07/20 12:30	EPA 200.8	
MS-23 (A9L0929-20)				**Matrix: Drinking Water**				
Batch: 0010175								
Lead	**4.85**	---	0.200	ug/L	1	01/07/20 18:50	EPA 200.8	**DW-D**
MS-24 (A9L0929-21)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:33	EPA 200.8	
MS-25 (A9L0929-22)				**Matrix: Drinking Water**				
Batch: 0010041								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:35	EPA 200.8	
MS-26 (A9L0929-23)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:44	EPA 200.8	
MS-27 (A9L0929-24)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	**0.756**	---	0.200	ug/L	1	01/07/20 12:46	EPA 200.8	
MS-28 (A9L0929-25)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:48	EPA 200.8	
MS-29 (A9L0929-26)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 12:55	EPA 200.8	
MS-30 (A9L0929-27)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:01	EPA 200.8	

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St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-31 (A9L0929-28)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:03	EPA 200.8	
MS-32 (A9L0929-29)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:06	EPA 200.8	
MS-33 (A9L0929-30)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:08	EPA 200.8	
MS-34 (A9L0929-31)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	**0.258**	---	0.200	ug/L	1	01/07/20 13:10	EPA 200.8	
MS-35 (A9L0929-32)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:12	EPA 200.8	
MS-36 (A9L0929-33)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:14	EPA 200.8	
MS-37 (A9L0929-34)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	**0.201**	---	0.200	ug/L	1	01/07/20 13:21	EPA 200.8	
MS-38 (A9L0929-35)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:23	EPA 200.8	
MS-39 (A9L0929-36)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:25	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-40 (A9L0929-37)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:28	EPA 200.8	
MS-41 (A9L0929-38)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:30	EPA 200.8	
MS-42 (A9L0929-39)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:32	EPA 200.8	
MS-43 (A9L0929-40)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	ND	---	0.200	ug/L	1	01/07/20 13:34	EPA 200.8	
MS-44 (A9L0929-41)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	**1.00**	---	0.200	ug/L	1	01/07/20 13:36	EPA 200.8	
MS-45 (A9L0929-42)				**Matrix: Drinking Water**				
Batch: 0010042								
Lead	**4.10**	---	0.200	ug/L	1	01/07/20 13:39	EPA 200.8	
MS-46 (A9L0929-43)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**1.63**	---	0.200	ug/L	1	01/07/20 13:52	EPA 200.8	
MS-47 (A9L0929-44)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**4.46**	---	0.200	ug/L	1	01/07/20 13:54	EPA 200.8	
MS-48 (A9L0929-45)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**3.60**	---	0.200	ug/L	1	01/07/20 13:56	EPA 200.8	

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St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-49 (A9L0929-46)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**10.7**	---	0.200	ug/L	1	01/07/20 13:58	EPA 200.8	
MS-50 (A9L0929-47)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**31.6**	---	0.200	ug/L	1	01/07/20 14:06	EPA 200.8	
MS-51 (A9L0929-48)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**21.4**	---	0.200	ug/L	1	01/07/20 14:08	EPA 200.8	
MS-52 (A9L0929-49)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**0.235**	---	0.200	ug/L	1	01/07/20 14:15	EPA 200.8	
MS-53 (A9L0929-50)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**0.252**	---	0.200	ug/L	1	01/07/20 14:17	EPA 200.8	
MS-54 (A9L0929-51)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	ND	---	0.200	ug/L	1	01/07/20 14:19	EPA 200.8	
MS-55 (A9L0929-52)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**0.258**	---	0.200	ug/L	1	01/07/20 14:21	EPA 200.8	
MS-56 (A9L0929-53)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**1.26**	---	0.200	ug/L	1	01/07/20 14:23	EPA 200.8	
MS-57 (A9L0929-54)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**0.243**	---	0.200	ug/L	1	01/07/20 14:26	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-58 (A9L0929-55)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**1.14**	---	0.200	ug/L	1	01/07/20 14:28	EPA 200.8	
MS-59 (A9L0929-56)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**2.17**	---	0.200	ug/L	1	01/07/20 14:30	EPA 200.8	
MS-60 (A9L0929-57)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**1.04**	---	0.200	ug/L	1	01/07/20 14:32	EPA 200.8	
MS-61 (A9L0929-58)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**1.54**	---	0.200	ug/L	1	01/07/20 14:34	EPA 200.8	
MS-62 (A9L0929-59)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**0.786**	---	0.200	ug/L	1	01/07/20 14:41	EPA 200.8	
MS-63 (A9L0929-60)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**0.637**	---	0.200	ug/L	1	01/07/20 14:43	EPA 200.8	
MS-64 (A9L0929-61)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**1.25**	---	0.200	ug/L	1	01/07/20 14:46	EPA 200.8	
MS-65 (A9L0929-62)				**Matrix: Drinking Water**				
Batch: 0010059								
Lead	**1.47**	---	0.200	ug/L	1	01/07/20 14:48	EPA 200.8	
MS-66 (A9L0929-63)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**0.562**	---	0.200	ug/L	1	01/07/20 15:08	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-67 (A9L0929-64)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**0.638**	---	0.200	ug/L	1	01/07/20 15:10	EPA 200.8	
MS-68 (A9L0929-65)				**Matrix: Drinking Water**				
Batch: 0010175								
Lead	**4.47**	---	0.200	ug/L	1	01/07/20 18:56	EPA 200.8	**DW-D**
MS-69 (A9L0929-66)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**1.17**	---	0.200	ug/L	1	01/07/20 15:12	EPA 200.8	
MS-70 (A9L0929-67)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**0.859**	---	0.200	ug/L	1	01/07/20 15:19	EPA 200.8	
MS-71 (A9L0929-68)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**0.766**	---	0.200	ug/L	1	01/07/20 15:26	EPA 200.8	
MS-72 (A9L0929-69)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**2.79**	---	0.200	ug/L	1	01/07/20 15:28	EPA 200.8	
MS-73 (A9L0929-70)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**1.38**	---	0.200	ug/L	1	01/07/20 15:30	EPA 200.8	
MS-74 (A9L0929-71)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**0.889**	---	0.200	ug/L	1	01/07/20 15:32	EPA 200.8	
MS-75 (A9L0929-72)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**5.02**	---	0.200	ug/L	1	01/07/20 15:34	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-76 (A9L0929-73)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**4.59**	---	0.200	ug/L	1	01/07/20 15:36	EPA 200.8	
MS-77 (A9L0929-74)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**1.01**	---	0.200	ug/L	1	01/07/20 15:39	EPA 200.8	
MS-78 (A9L0929-75)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**3.28**	---	0.200	ug/L	1	01/07/20 15:45	EPA 200.8	
MS-79 (A9L0929-76)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**0.843**	---	0.200	ug/L	1	01/07/20 15:48	EPA 200.8	
MS-80 (A9L0929-77)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**0.792**	---	0.200	ug/L	1	01/07/20 15:51	EPA 200.8	
MS-81 (A9L0929-78)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**2.85**	---	0.200	ug/L	1	01/07/20 15:54	EPA 200.8	
MS-82 (A9L0929-79)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**7.63**	---	0.200	ug/L	1	01/07/20 15:56	EPA 200.8	
MS-83 (A9L0929-80)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**2.41**	---	0.200	ug/L	1	01/07/20 15:58	EPA 200.8	
MS-84 (A9L0929-81)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**5.59**	---	0.200	ug/L	1	01/07/20 16:00	EPA 200.8	

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-85 (A9L0929-82)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**1.75**	---	0.200	ug/L	1	01/07/20 16:02	EPA 200.8	
MS-86 (A9L0929-83)				**Matrix: Drinking Water**				
Batch: 0010089								
Lead	**2.92**	---	0.200	ug/L	1	01/07/20 16:05	EPA 200.8	
MS-87 (A9L0929-84)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**3.92**	---	0.200	ug/L	1	01/07/20 16:18	EPA 200.8	
MS-88 (A9L0929-85)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	ND	---	0.200	ug/L	1	01/07/20 16:20	EPA 200.8	
MS-89 (A9L0929-86)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.375**	---	0.200	ug/L	1	01/07/20 16:28	EPA 200.8	
MS-90 (A9L0929-87)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.362**	---	0.200	ug/L	1	01/07/20 16:30	EPA 200.8	
MS-91 (A9L0929-88)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.226**	---	0.200	ug/L	1	01/07/20 16:37	EPA 200.8	
MS-92 (A9L0929-89)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.363**	---	0.200	ug/L	1	01/07/20 16:39	EPA 200.8	
MS-93 (A9L0929-90)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	ND	---	0.200	ug/L	1	01/07/20 16:45	EPA 200.8	

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St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-94 (A9L0929-91)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.450**	---	0.200	ug/L	1	01/07/20 16:48	EPA 200.8	
MS-95 (A9L0929-92)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	ND	---	0.200	ug/L	1	01/07/20 16:50	EPA 200.8	
MS-96 (A9L0929-93)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.584**	---	0.200	ug/L	1	01/07/20 16:52	EPA 200.8	
MS-97 (A9L0929-94)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.338**	---	0.200	ug/L	1	01/07/20 16:54	EPA 200.8	
MS-98 (A9L0929-95)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.622**	---	0.200	ug/L	1	01/07/20 16:56	EPA 200.8	
MS-99 (A9L0929-96)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.379**	---	0.200	ug/L	1	01/07/20 16:58	EPA 200.8	
MS-100 (A9L0929-97)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.783**	---	0.200	ug/L	1	01/07/20 17:01	EPA 200.8	
MS-101 (A9L0929-98)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.383**	---	0.200	ug/L	1	01/07/20 17:03	EPA 200.8	
MS-102 (A9L0929-99)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.405**	---	0.200	ug/L	1	01/07/20 17:05	EPA 200.8	

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474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-103 (A9L0929-AA)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.685**	---	0.200	ug/L	1	01/07/20 17:11	EPA 200.8	
MS-104 (A9L0929-AB)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.809**	---	0.200	ug/L	1	01/07/20 17:14	EPA 200.8	
MS-105 (A9L0929-AC)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.336**	---	0.200	ug/L	1	01/07/20 17:16	EPA 200.8	
MS-106 (A9L0929-AD)				**Matrix: Drinking Water**				
Batch: 0010133								
Lead	**0.656**	---	0.200	ug/L	1	01/07/20 17:18	EPA 200.8	
MS-107 (A9L0929-AE)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.821**	---	0.200	ug/L	1	01/07/20 17:27	EPA 200.8	
MS-108 (A9L0929-AF)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.858**	---	0.200	ug/L	1	01/07/20 17:29	EPA 200.8	
MS-109 (A9L0929-AG)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.494**	---	0.200	ug/L	1	01/07/20 17:31	EPA 200.8	
MS-110 (A9L0929-AH)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.817**	---	0.200	ug/L	1	01/07/20 17:38	EPA 200.8	
MS-111 (A9L0929-AI)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.372**	---	0.200	ug/L	1	01/07/20 17:44	EPA 200.8	

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St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-112 (A9L0929-AJ)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.324**	---	0.200	ug/L	1	01/07/20 17:46	EPA 200.8	
MS-113 (A9L0929-AK)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.201**	---	0.200	ug/L	1	01/07/20 17:49	EPA 200.8	
MS-114 (A9L0929-AL)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.203**	---	0.200	ug/L	1	01/07/20 17:51	EPA 200.8	
MS-115 (A9L0929-AM)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	ND	---	0.200	ug/L	1	01/07/20 17:53	EPA 200.8	
MS-116 (A9L0929-AN)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	ND	---	0.200	ug/L	1	01/07/20 17:55	EPA 200.8	
MS-117 (A9L0929-AO)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.264**	---	0.200	ug/L	1	01/07/20 17:57	EPA 200.8	
MS-118 (A9L0929-AP)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.505**	---	0.200	ug/L	1	01/07/20 18:04	EPA 200.8	
MS-119 (A9L0929-AQ)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**1.23**	---	0.200	ug/L	1	01/07/20 18:06	EPA 200.8	
MS-120 (A9L0929-AR)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.659**	---	0.200	ug/L	1	01/07/20 18:08	EPA 200.8	

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474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-121 (A9L0929-AS)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.345**	---	0.200	ug/L	1	01/07/20 18:10	EPA 200.8	
MS-122 (A9L0929-AT)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.403**	---	0.200	ug/L	1	01/07/20 18:13	EPA 200.8	
MS-123 (A9L0929-AU)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**0.281**	---	0.200	ug/L	1	01/07/20 18:15	EPA 200.8	
MS-124 (A9L0929-AV)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**2.07**	---	0.200	ug/L	1	01/07/20 18:17	EPA 200.8	
MS-125 (A9L0929-AW)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	ND	---	0.200	ug/L	1	01/07/20 18:19	EPA 200.8	
MS-126 (A9L0929-AX)				**Matrix: Drinking Water**				
Batch: 0010141								
Lead	**1.02**	---	0.200	ug/L	1	01/07/20 18:21	EPA 200.8	
MS-127 (A9L0929-AY)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.356**	---	0.200	ug/L	1	01/08/20 10:45	EPA 200.8	
MS-128 (A9L0929-AZ)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	ND	---	0.200	ug/L	1	01/08/20 10:47	EPA 200.8	
MS-129 (A9L0929-BA)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.481**	---	0.200	ug/L	1	01/08/20 10:49	EPA 200.8	

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474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MS-130 (A9L0929-BB)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.288**	---	0.200	ug/L	1	01/08/20 10:51	EPA 200.8	
MS-131 (A9L0929-BC)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**1.07**	---	0.200	ug/L	1	01/08/20 10:58	EPA 200.8	
MS-132 (A9L0929-BD)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**0.683**	---	0.200	ug/L	1	01/08/20 11:00	EPA 200.8	
MS-133 (A9L0929-BE)				**Matrix: Drinking Water**				
Batch: 0010175								
Lead	**84.9**	---	0.200	ug/L	1	01/07/20 18:58	EPA 200.8	**DW-D**
MS-134 (A9L0929-BF)				**Matrix: Drinking Water**				
Batch: 0010175								
Lead	**5.48**	---	0.200	ug/L	1	01/07/20 19:01	EPA 200.8	**DW-D**
MS-135 (A9L0929-BG)				**Matrix: Drinking Water**				
Batch: 0010143								
Lead	**21.5**	---	0.200	ug/L	1	01/08/20 11:06	EPA 200.8	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010041 - Matrix Matched Direct Inject											**Drinking Water**	
Blank (0010041-BLK1)		Prepared: 01/02/20 15:39		Analyzed: 01/07/20 11:36								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010041-BS1)		Prepared: 01/02/20 15:39		Analyzed: 01/07/20 11:38								
EPA 200.8												
Lead	16.1	---	0.200	ug/L	1	16.7	---	97	85 - 115%	---	---	
Duplicate (0010041-DUP1)		Prepared: 01/02/20 15:39		Analyzed: 01/07/20 11:49								
QC Source Sample: MS-7 (A9L0929-04)												
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	ND	---	---	---	20%	
Matrix Spike (0010041-MS1)		Prepared: 01/02/20 15:39		Analyzed: 01/07/20 11:51								
QC Source Sample: MS-7 (A9L0929-04)												
EPA 200.8												
Lead	15.6	---	0.200	ug/L	1	16.7	ND	94	70 - 130%	---	---	
Matrix Spike (0010041-MS2)		Prepared: 01/02/20 15:39		Analyzed: 01/07/20 12:37								
QC Source Sample: MS-25 (A9L0929-22)												
EPA 200.8												
Lead	15.9	---	0.200	ug/L	1	16.7	ND	95	70 - 130%	---	---	
Batch 0010042 - Matrix Matched Direct Inject											**Drinking Water**	
Blank (0010042-BLK1)		Prepared: 01/02/20 15:43		Analyzed: 01/07/20 12:39								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010042-BS1)		Prepared: 01/02/20 15:43		Analyzed: 01/07/20 12:41								
EPA 200.8												
Lead	16.3	---	0.200	ug/L	1	16.7	---	98	85 - 115%	---	---	
Duplicate (0010042-DUP1)		Prepared: 01/02/20 15:43		Analyzed: 01/07/20 12:57								
QC Source Sample: MS-29 (A9L0929-26)												

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St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010042 - Matrix Matched Direct Inject											**Drinking Water**	
Duplicate (0010042-DUP1)		Prepared: 01/02/20 15:43		Analyzed: 01/07/20 12:57								
QC Source Sample: MS-29 (A9L0929-26)												
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	0.127	---	---	***	20%	
Matrix Spike (0010042-MS1)		Prepared: 01/02/20 15:43		Analyzed: 01/07/20 12:59								
QC Source Sample: MS-29 (A9L0929-26)												
EPA 200.8												
Lead	16.3	---	0.200	ug/L	1	16.7	0.127	97	70 - 130%	---	---	
Matrix Spike (0010042-MS2)		Prepared: 01/02/20 15:43		Analyzed: 01/07/20 13:41								
QC Source Sample: MS-45 (A9L0929-42)												
EPA 200.8												
Lead	20.5	---	0.200	ug/L	1	16.7	4.10	98	70 - 130%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010059 - Matrix Matched Direct Inject												**Drinking Water**
Blank (0010059-BLK1)		Prepared: 01/03/20 08:34		Analyzed: 01/07/20 13:47								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010059-BS1)		Prepared: 01/03/20 08:34		Analyzed: 01/07/20 13:50								
EPA 200.8												
Lead	16.3	---	0.200	ug/L	1	16.7	---	98	85 - 115%	---	---	
Duplicate (0010059-DUP1)		Prepared: 01/03/20 08:34		Analyzed: 01/07/20 14:01								
QC Source Sample: MS-49 (A9L0929-46)												
EPA 200.8												
Lead	**10.8**	---	0.200	ug/L	1	---	10.7	---	---	1	20%	
Matrix Spike (0010059-MS1)		Prepared: 01/03/20 08:34		Analyzed: 01/07/20 14:03								
QC Source Sample: MS-49 (A9L0929-46)												
EPA 200.8												
Lead	26.9	---	0.200	ug/L	1	16.7	10.7	97	70 - 130%	---	---	
Matrix Spike (0010059-MS2)		Prepared: 01/03/20 08:34		Analyzed: 01/07/20 14:50								
QC Source Sample: MS-65 (A9L0929-62)												
EPA 200.8												
Lead	17.8	---	0.200	ug/L	1	16.7	1.47	98	70 - 130%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010089 - Matrix Matched Direct Inject											**Drinking Water**	
Blank (0010089-BLK1)		Prepared: 01/03/20 15:53		Analyzed: 01/07/20 15:04								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010089-BS1)		Prepared: 01/03/20 15:53		Analyzed: 01/07/20 15:06								
EPA 200.8												
Lead	16.7	---	0.200	ug/L	1	16.7	---	100	85 - 115%	---	---	
Duplicate (0010089-DUP1)		Prepared: 01/03/20 15:53		Analyzed: 01/07/20 15:21								
QC Source Sample: MS-70 (A9L0929-67)												
EPA 200.8												
Lead	**0.882**	---	0.200	ug/L	1	---	0.859	---	---	3	20%	
Matrix Spike (0010089-MS1)		Prepared: 01/03/20 15:53		Analyzed: 01/07/20 15:23								
QC Source Sample: MS-70 (A9L0929-67)												
EPA 200.8												
Lead	17.2	---	0.200	ug/L	1	16.7	0.859	98	70 - 130%	---	---	
Matrix Spike (0010089-MS2)		Prepared: 01/03/20 15:53		Analyzed: 01/07/20 16:07								
QC Source Sample: MS-86 (A9L0929-83)												
EPA 200.8												
Lead	19.5	---	0.200	ug/L	1	16.7	2.92	99	70 - 130%	---	---	

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010133 - Matrix Matched Direct Inject												**Drinking Water**
Blank (0010133-BLK1)		Prepared: 01/06/20 13:19		Analyzed: 01/07/20 16:13								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010133-BS1)		Prepared: 01/06/20 13:19		Analyzed: 01/07/20 16:16								
EPA 200.8												
Lead	17.0	---	0.200	ug/L	1	16.7	---	102	85 - 115%	---	---	
Duplicate (0010133-DUP1)		Prepared: 01/06/20 13:19		Analyzed: 01/07/20 16:32								
QC Source Sample: MS-90 (A9L0929-87)												
EPA 200.8												
Lead	**0.343**	---	0.200	ug/L	1	---	0.362	---	---	5	20%	
Matrix Spike (0010133-MS1)		Prepared: 01/06/20 13:19		Analyzed: 01/07/20 16:34								
QC Source Sample: MS-90 (A9L0929-87)												
EPA 200.8												
Lead	16.8	---	0.200	ug/L	1	16.7	0.362	98	70 - 130%	---	---	
Matrix Spike (0010133-MS2)		Prepared: 01/06/20 13:19		Analyzed: 01/07/20 17:20								
QC Source Sample: MS-106 (A9L0929-AD)												
EPA 200.8												
Lead	17.0	---	0.200	ug/L	1	16.7	0.656	98	70 - 130%	---	---	

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St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010141 - Matrix Matched Direct Inject												**Drinking Water**
Blank (0010141-BLK1)		Prepared: 01/06/20 14:27		Analyzed: 01/07/20 17:22								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010141-BS1)		Prepared: 01/06/20 14:27		Analyzed: 01/07/20 17:25								
EPA 200.8												
Lead	17.1	---	0.200	ug/L	1	16.7	---	103	85 - 115%	---	---	
Duplicate (0010141-DUP1)		Prepared: 01/06/20 14:27		Analyzed: 01/07/20 17:40								
QC Source Sample: MS-110 (A9L0929-AH)												
EPA 200.8												
Lead	**0.813**	---	0.200	ug/L	1	---	0.817	---	---	0.5	20%	
Matrix Spike (0010141-MS1)		Prepared: 01/06/20 14:27		Analyzed: 01/07/20 17:42								
QC Source Sample: MS-110 (A9L0929-AH)												
EPA 200.8												
Lead	17.4	---	0.200	ug/L	1	16.7	0.817	100	70 - 130%	---	---	
Matrix Spike (0010141-MS2)		Prepared: 01/06/20 14:27		Analyzed: 01/07/20 18:24								
QC Source Sample: MS-126 (A9L0929-AX)												
EPA 200.8												
Lead	17.5	---	0.200	ug/L	1	16.7	1.02	99	70 - 130%	---	---	

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St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010143 - Matrix Matched Direct Inject											**Drinking Water**	
Blank (0010143-BLK1)		Prepared: 01/06/20 15:12		Analyzed: 01/08/20 10:40								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010143-BS1)		Prepared: 01/06/20 15:12		Analyzed: 01/08/20 10:42								
EPA 200.8												
Lead	16.1	---	0.200	ug/L	1	16.7	---	97	85 - 115%	---	---	
Duplicate (0010143-DUP1)		Prepared: 01/06/20 15:12		Analyzed: 01/08/20 10:53								
QC Source Sample: MS-130 (A9L0929-BB)												
EPA 200.8												
Lead	**0.290**	---	0.200	ug/L	1	---	0.288	---	---	0.6	20%	
Matrix Spike (0010143-MS1)		Prepared: 01/06/20 15:12		Analyzed: 01/08/20 10:55								
QC Source Sample: MS-130 (A9L0929-BB)												
EPA 200.8												
Lead	15.5	---	0.200	ug/L	1	16.7	0.288	91	70 - 130%	---	---	

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St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0010175 - EPA 3015A									Drinking Water			
Blank (0010175-BLK1)		Prepared: 01/07/20 11:54		Analyzed: 01/07/20 18:30								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (0010175-BS1)		Prepared: 01/07/20 11:54		Analyzed: 01/07/20 18:32								
EPA 200.8												
Lead	16.8	---	0.200	ug/L	1	16.7	---	101	85 - 115%	---	---	

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St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0010175							
A9L0929-16	Drinking Water	EPA 200.8	12/21/19 00:00	01/07/20 11:54	45mL/50mL	45mL/50mL	1.00
A9L0929-20	Drinking Water	EPA 200.8	12/21/19 00:00	01/07/20 11:54	45mL/50mL	45mL/50mL	1.00
A9L0929-65	Drinking Water	EPA 200.8	12/21/19 00:00	01/07/20 11:54	45mL/50mL	45mL/50mL	1.00
A9L0929-BE	Drinking Water	EPA 200.8	12/21/19 00:00	01/07/20 11:54	45mL/50mL	45mL/50mL	1.00
A9L0929-BF	Drinking Water	EPA 200.8	12/21/19 00:00	01/07/20 11:54	45mL/50mL	45mL/50mL	1.00

Prep: Matrix Matched Direct Inject

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0010041							
A9L0929-01	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-02	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-03	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-04	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-05	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-06	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-07	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-08	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-09	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-10	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-11	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-12	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-13	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-14	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-15	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-17	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-18	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-19	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-21	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
A9L0929-22	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:39	45mL/50mL	45mL/50mL	1.00
Batch: 0010042							
A9L0929-23	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-24	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-25	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-26	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-27	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-28	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00

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474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Prep: Matrix Matched Direct Inject

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A9L0929-29	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-30	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-31	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-32	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-33	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-34	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-35	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-36	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-37	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-38	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-39	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-40	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-41	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
A9L0929-42	Drinking Water	EPA 200.8	12/21/19 00:00	01/02/20 15:43	45mL/50mL	45mL/50mL	1.00
Batch: 0010059							
A9L0929-43	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-44	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-45	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-46	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-47	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-48	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-49	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-50	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-51	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-52	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-53	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-54	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-55	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-56	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-57	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-58	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-59	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-60	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-61	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00
A9L0929-62	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 08:34	45mL/50mL	45mL/50mL	1.00

Batch: 0010089

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St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Prep: Matrix Matched Direct Inject

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A9L0929-63	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-64	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-66	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-67	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-68	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-69	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-70	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-71	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-72	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-73	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-74	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-75	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-76	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-77	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-78	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-79	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-80	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-81	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-82	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
A9L0929-83	Drinking Water	EPA 200.8	12/21/19 00:00	01/03/20 15:53	45mL/50mL	45mL/50mL	1.00
Batch: 0010133							
A9L0929-84	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-85	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-86	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-87	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-88	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-89	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-90	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-91	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-92	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-93	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-94	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-95	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-96	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-97	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-98	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-99	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Prep: Matrix Matched Direct Inject

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A9L0929-AA	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-AB	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-AC	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
A9L0929-AD	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 13:19	45mL/50mL	45mL/50mL	1.00
Batch: 0010141							
A9L0929-AE	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AF	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AG	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AH	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AI	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AJ	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AK	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AL	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AM	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AN	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AO	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AP	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AQ	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AR	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AS	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AT	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AU	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AV	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AW	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
A9L0929-AX	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 14:27	45mL/50mL	45mL/50mL	1.00
Batch: 0010143							
A9L0929-AY	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0929-AZ	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0929-BA	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0929-BB	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0929-BC	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0929-BD	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00
A9L0929-BG	Drinking Water	EPA 200.8	12/21/19 00:00	01/06/20 15:12	45mL/50mL	45mL/50mL	1.00

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

DW-D	Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.

Apex Laboratories



Kevin J. Friscia, Project Manager

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St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported.

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories



Kevin J. Friscia, Project Manager

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St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories



Kevin J. Friscia, Project Manager

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EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

LABORATORY ACCREDITATION INFORMATION

TNI Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

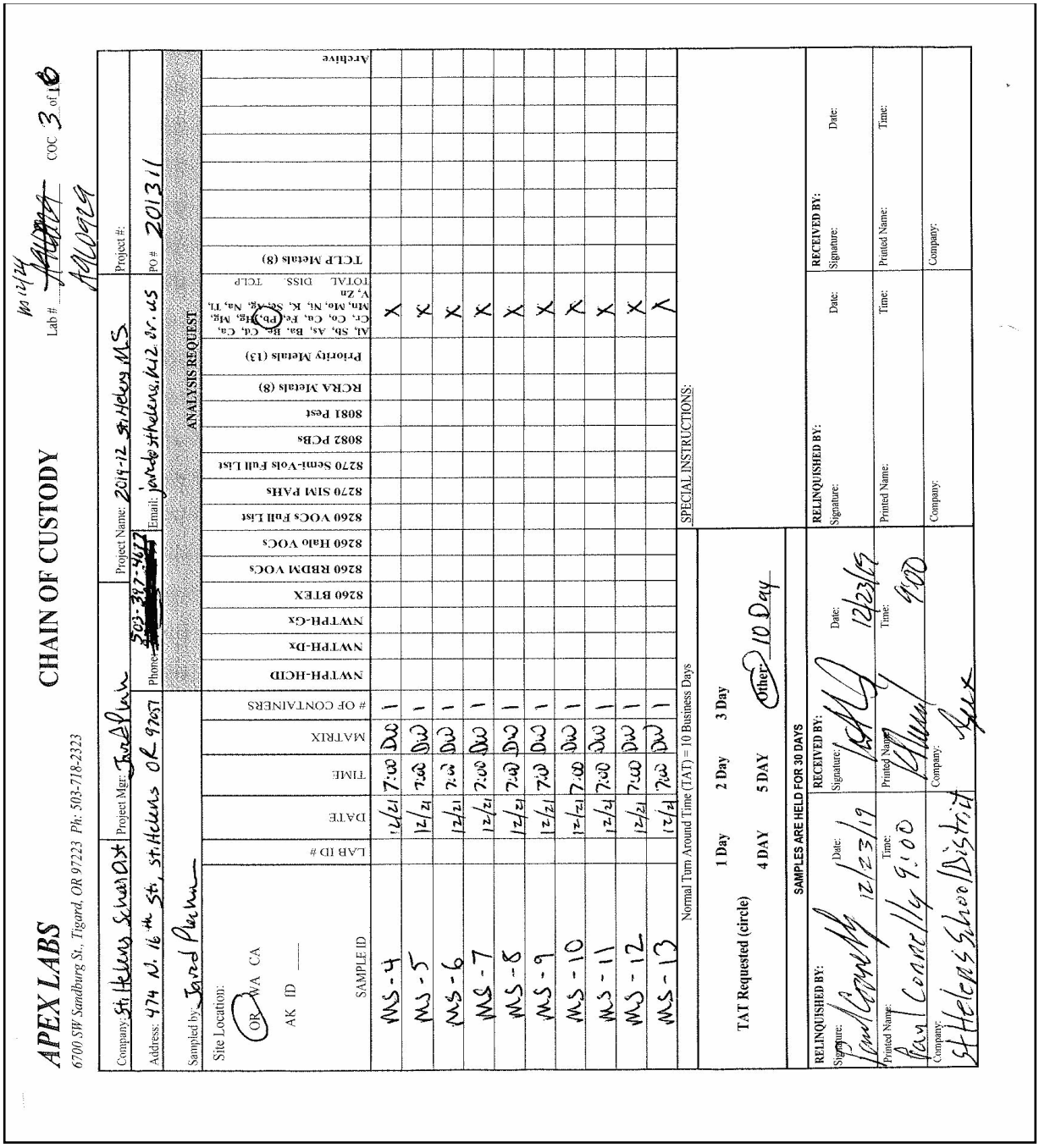


Kevin J. Friscia, Project Manager

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St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



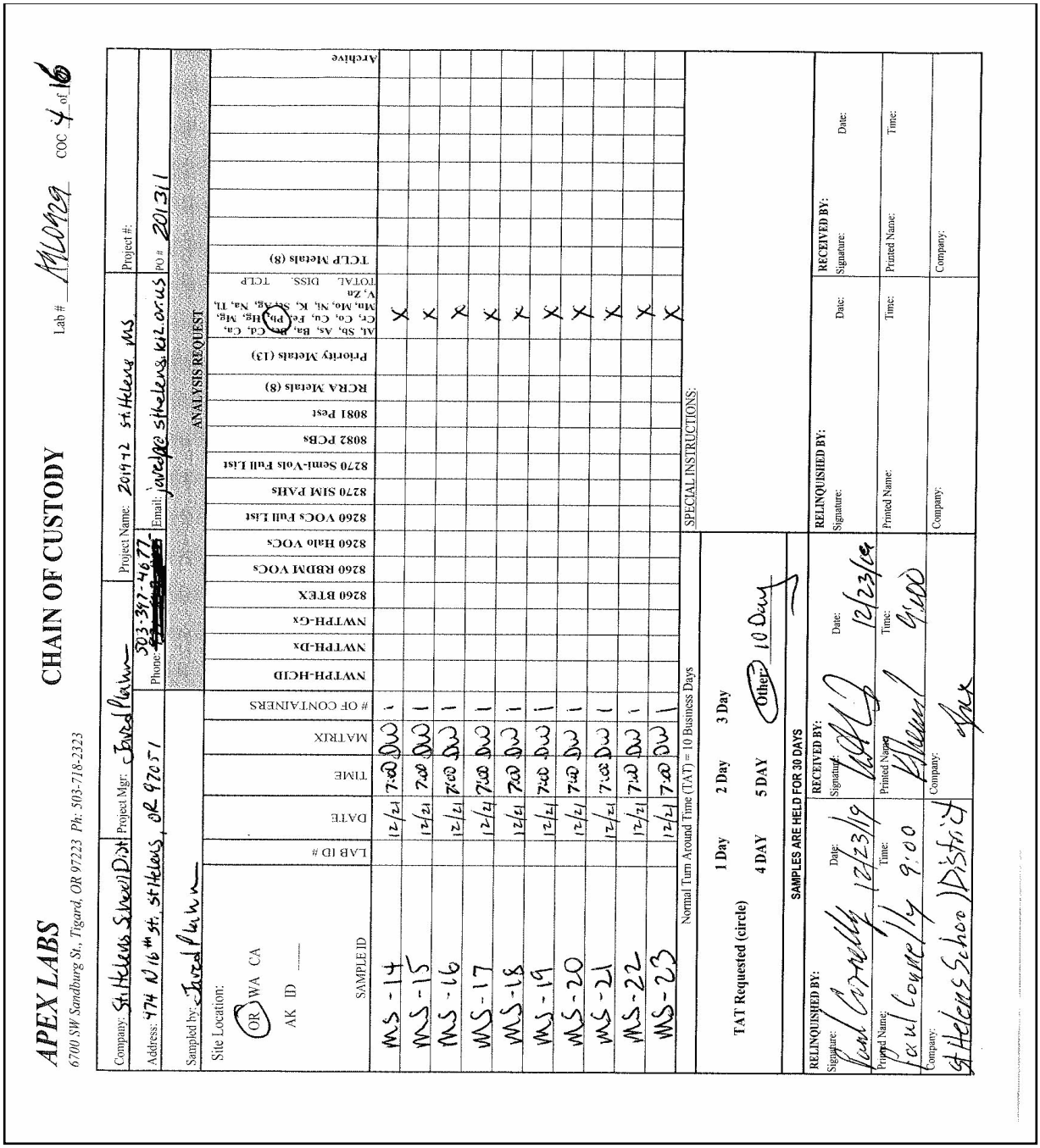
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Kevin J. Friscia, Project Manager

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St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0929 COC 4 of 16

Company: St.Helens School Dist Project Mgr: Jared Plahn Project Name: 201972 St.Helens MS Project #:
Address: 474 N 16th St. St Helens, OR 97051 Phone: 503-397-4677 Email: jarodpe sthelens.k12.or.us PO # 20131

Sampled by: Jared Plahn

Site Location: (OR) WA CA AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDMI VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-14		12/14	7:00	DW	1														X	
MS-15		12/14	7:00	DW	1														X	
MS-16		12/14	7:00	DW	1														X	
MS-17		12/14	7:00	DW	1														X	
MS-18		12/14	7:00	DW	1														X	
MS-19		12/14	7:00	DW	1														X	
MS-20		12/14	7:00	DW	1														X	
MS-21		12/14	7:00	DW	1														X	
MS-22		12/14	7:00	DW	1														X	
MS-23		12/14	7:00	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: 10 Days

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 12/23/19	Date: 12/23/19	Date: 12/23/19	Date:
Time: 9:00	Time: 9:00	Time: 9:00	Time:
Printed Name: Jared Plahn	Printed Name:	Printed Name:	Printed Name:
Company: St Helens School Dist	Company:	Company:	Company:

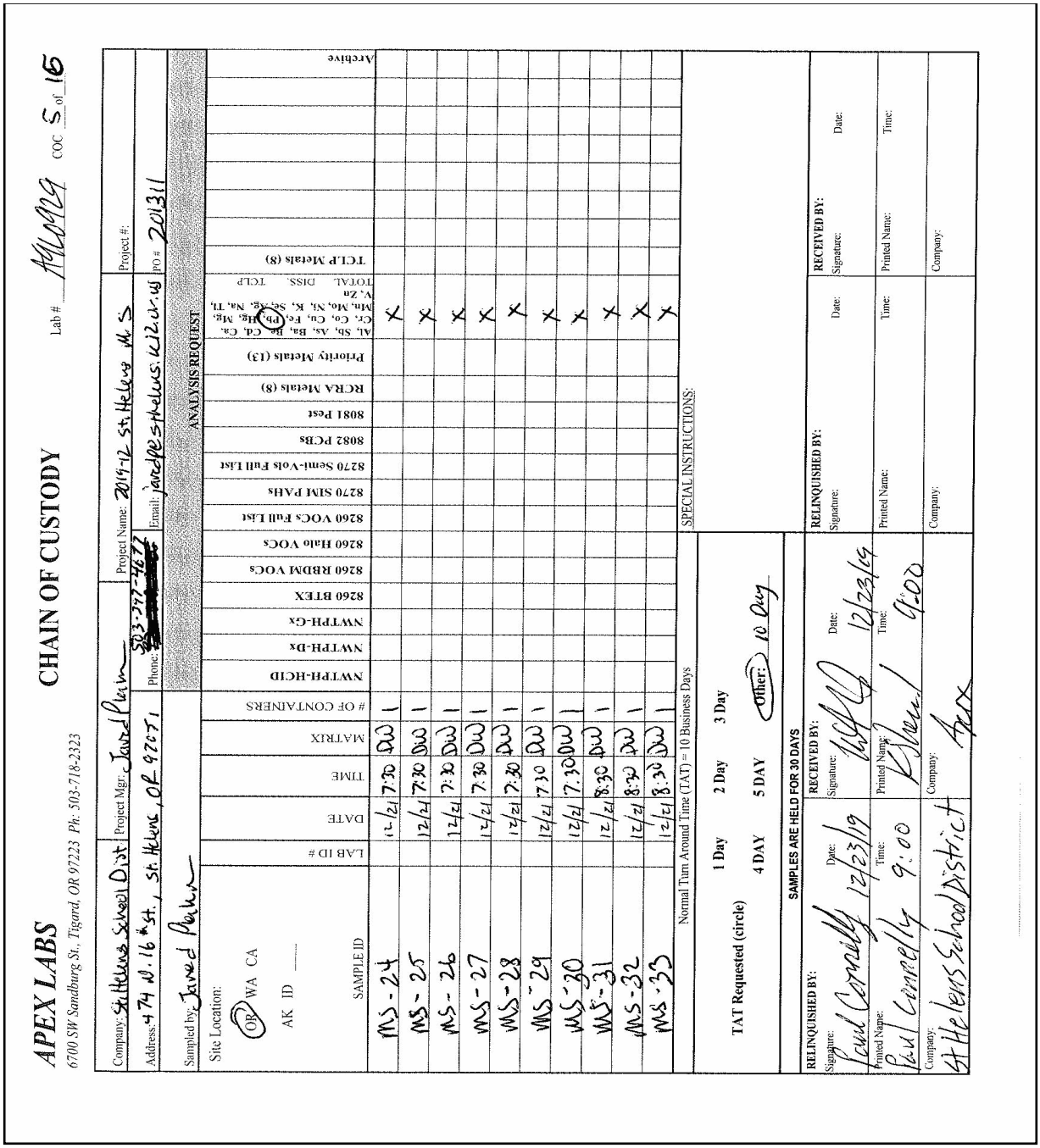
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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0929 COC 5 of 16

Company: St Helens School Dist | Project Mgr: Jared Plahn | Project Name: 2019-12 St Helens MS | Project #:
Address: 474 N. 16th St., St. Helens, OR 97051 | Phone: 503-397-4672 | Email: jaredp@sthelens.k12.or.us | PO # 201311
Sampled by: Jared Plahn
Site Location: OR WA CA AK ID

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-24		12/4	7:30	DW	1														X		
MS-25		12/4	7:30	DW	1														X		
MS-26		12/4	7:30	DW	1														X		
MS-27		12/4	7:30	DW	1														X		
MS-28		12/4	7:30	DW	1														X		
MS-29		12/4	7:30	DW	1														X		
MS-30		12/4	7:30	DW	1														X		
MS-31		12/4	8:30	DW	1														X		
MS-32		12/4	8:30	DW	1														X		
MS-33		12/4	8:30	DW	1														X		

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: 10 Day

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Paul Connelly	Signature:	Signature:	Signature:
Printed Name: Paul Connelly	Printed Name:	Printed Name:	Printed Name:
Date: 12/23/19	Date: 12/23/19	Date:	Date:
Time: 9:00	Time: 9:00	Time:	Time:
Company: St Helens School Distict	Company: Apex	Company:	Company:

Apex Laboratories

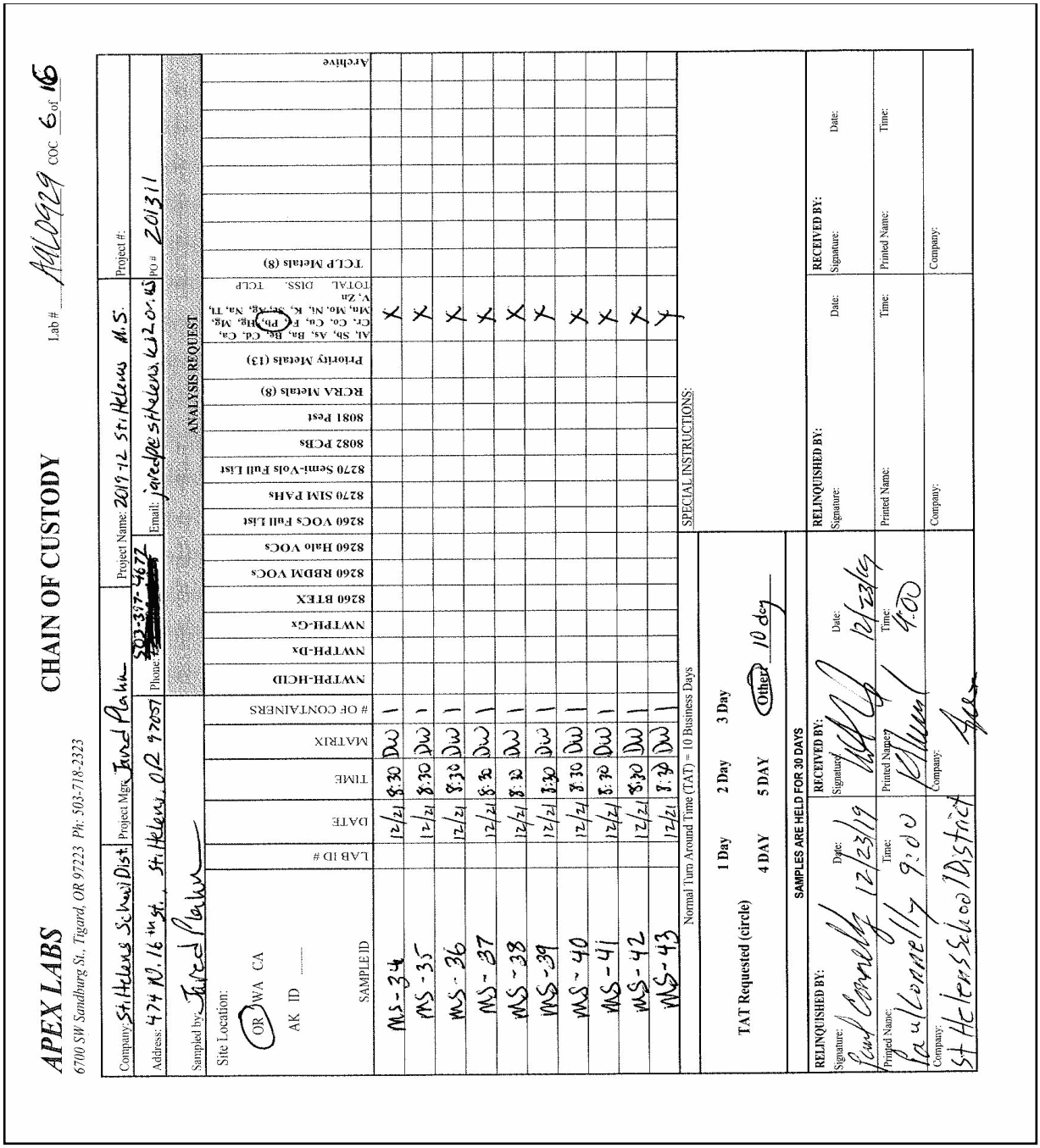
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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0929 COC 6 of 16

Company: St Helens School Dist. Project Mgr: Jared Plahn Project Name: 2019-12 St. Helens MS. Project #:
Address: 474 N. 16th St., St. Helens, OR 97051 Phone: 503-397-4672 Email: jaredp@sthelens.k12.or.us PO # 201311

Sampled by: Jared Plahn

Site Location: (OR) WA CA AK ID .....

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-34		12/21	8:30	DW	1														X	
MS-35		12/21	8:30	DW	1														X	
MS-36		12/21	8:30	DW	1														X	
MS-37		12/21	8:30	DW	1														X	
MS-38		12/21	8:30	DW	1														X	
MS-39		12/21	8:30	DW	1														X	
MS-40		12/21	8:30	DW	1														X	
MS-41		12/21	8:30	DW	1														X	
MS-42		12/21	8:30	DW	1														X	
MS-43		12/21	8:30	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other 10 day

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: Jared Connelly Date: 12/23/19 Time: 9:00 Printed Name: Paul Lemmell Company: St Helens School District

RECEIVED BY: Signature: Date: Time: Printed Name: Company:

RELINQUISHED BY: Signature: Date: Time: Printed Name: Company:

RECEIVED BY: Signature: Date: Time: Printed Name: Company:

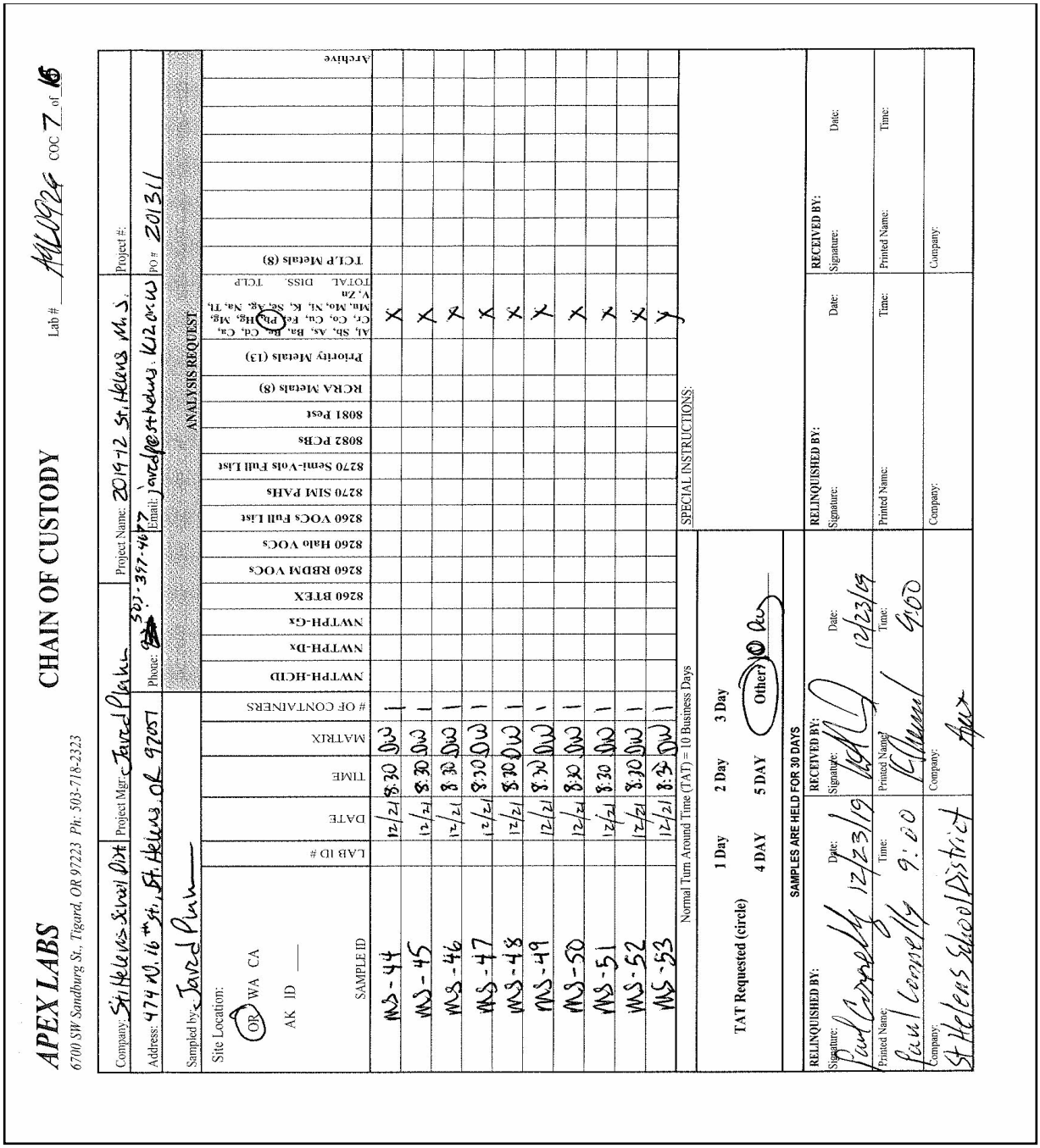
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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0924 COC 7 of 16

Company: St Helens School Dist | Project Mgr: Jared Plahn | Phone: 503-397-4627 | Project Name: 2019-12 St. Helens MS | Project #:
Address: 474 N. 16th St., St. Helens, OR 97051 | Email: jared@sthelens.k12.or.us | PO # 201311
Sampled by: Jared Plahn | ANALYSIS REQUEST
Site Location: OR WA CA / AK ID ____

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS TCLP	TCLP Metals (8)	Archive
MS-44		12/21	8:30	DW	1														X		
MS-45		12/21	8:30	DW	1														X		
MS-46		12/21	8:30	DW	1														X		
MS-47		12/21	8:30	DW	1														X		
MS-48		12/21	8:30	DW	1														X		
MS-49		12/21	8:30	DW	1														X		
MS-50		12/21	8:30	DW	1														X		
MS-51		12/21	8:30	DW	1														X		
MS-52		12/21	8:30	DW	1														X		
MS-53		12/21	8:30	DW	1														X		

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other 10 Days

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Paul Cornelius	Signature:	Signature:	Signature:
Printed Name: Paul Cornelius	Printed Name:	Printed Name:	Printed Name:
Company: St Helens School Dist	Company: Apex	Company:	Company:
Date: 12/23/19	Date: 12/23/19	Date:	Date:
Time: 9:20	Time: 9:20	Time:	Time:

Apex Laboratories

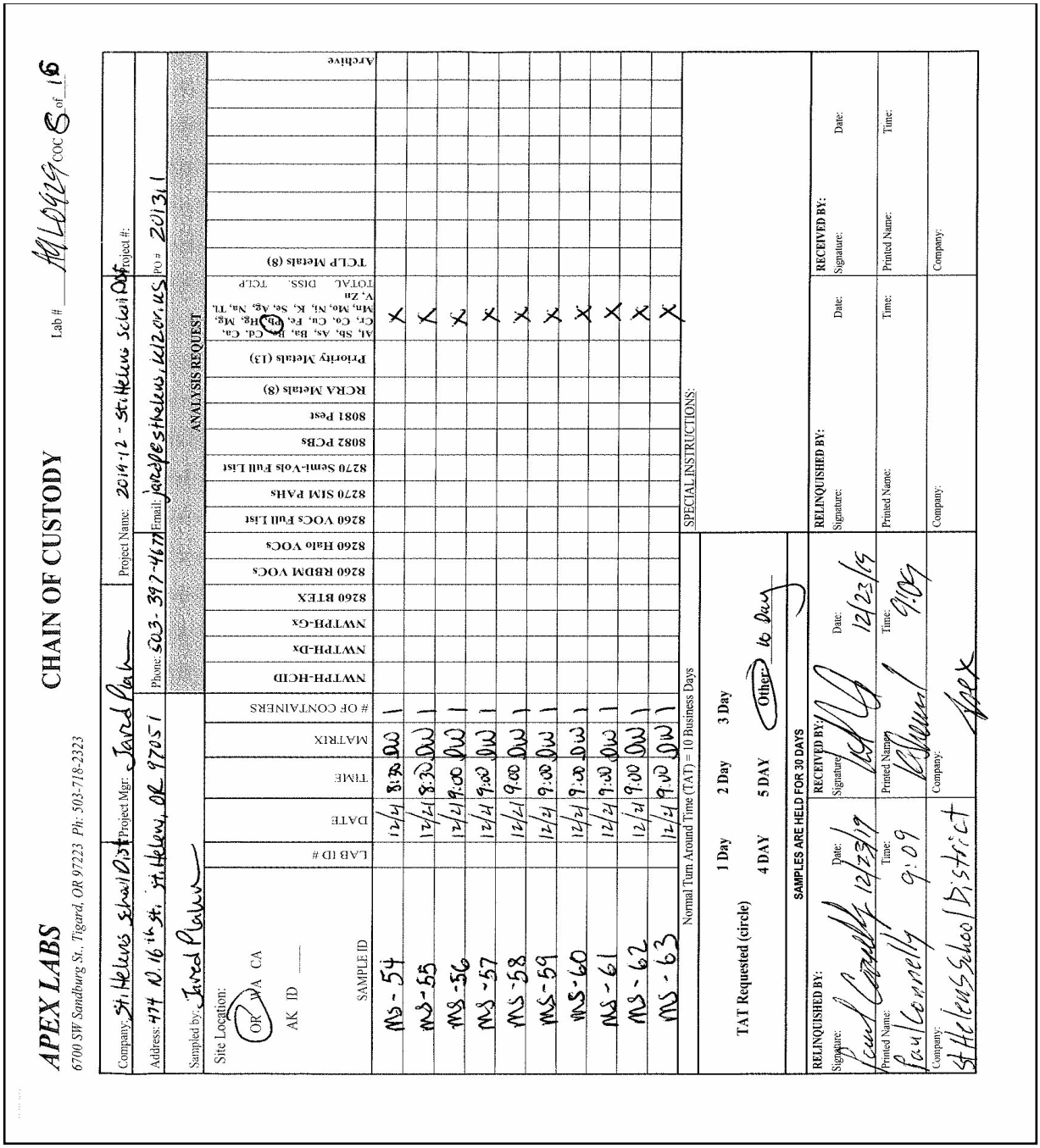
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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS — CHAIN OF CUSTODY — Lab # A9L0929 COC 8 of 16

6700 SW Sandburg St. Tigard, OR 97223 Ph: 503-718-2323

Company: St Helens School Dist | Project Mgr: Jared Plahn | Project Name: 2014.12 - St Helens School DSF | Project #:

Address: 474 N. 16th St. St Helens, OR 97051 | Phone: 503-397-4677 | Email: jaredp@sthelens.k12.or.us | PO # 20131

Sampled by: Jared Plahn

Site Location: OR WA CA / AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-54		12/4	8:30	DW	1														X	
MS-55		12/4	8:30	DW	1														X	
MS-56		12/4	9:00	DW	1														X	
MS-57		12/4	9:00	DW	1														X	
MS-58		12/4	9:00	DW	1														X	
MS-59		12/4	9:00	DW	1														X	
MS-60		12/4	9:00	DW	1														X	
MS-61		12/4	9:00	DW	1														X	
MS-62		12/4	9:00	DW	1														X	
MS-63		12/4	9:00	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: 10 days

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: Paul Lemmel Date: 12/23/19 Time: 9:09 Company: St Helens School District

RECEIVED BY: Signature: Date: 12/23/19 Time: 9:09 Printed Name: Company: Apex

RELINQUISHED BY: Signature: Date: Time: Printed Name: Company:

RECEIVED BY: Signature: Date: Time: Printed Name: Company:

Apex Laboratories

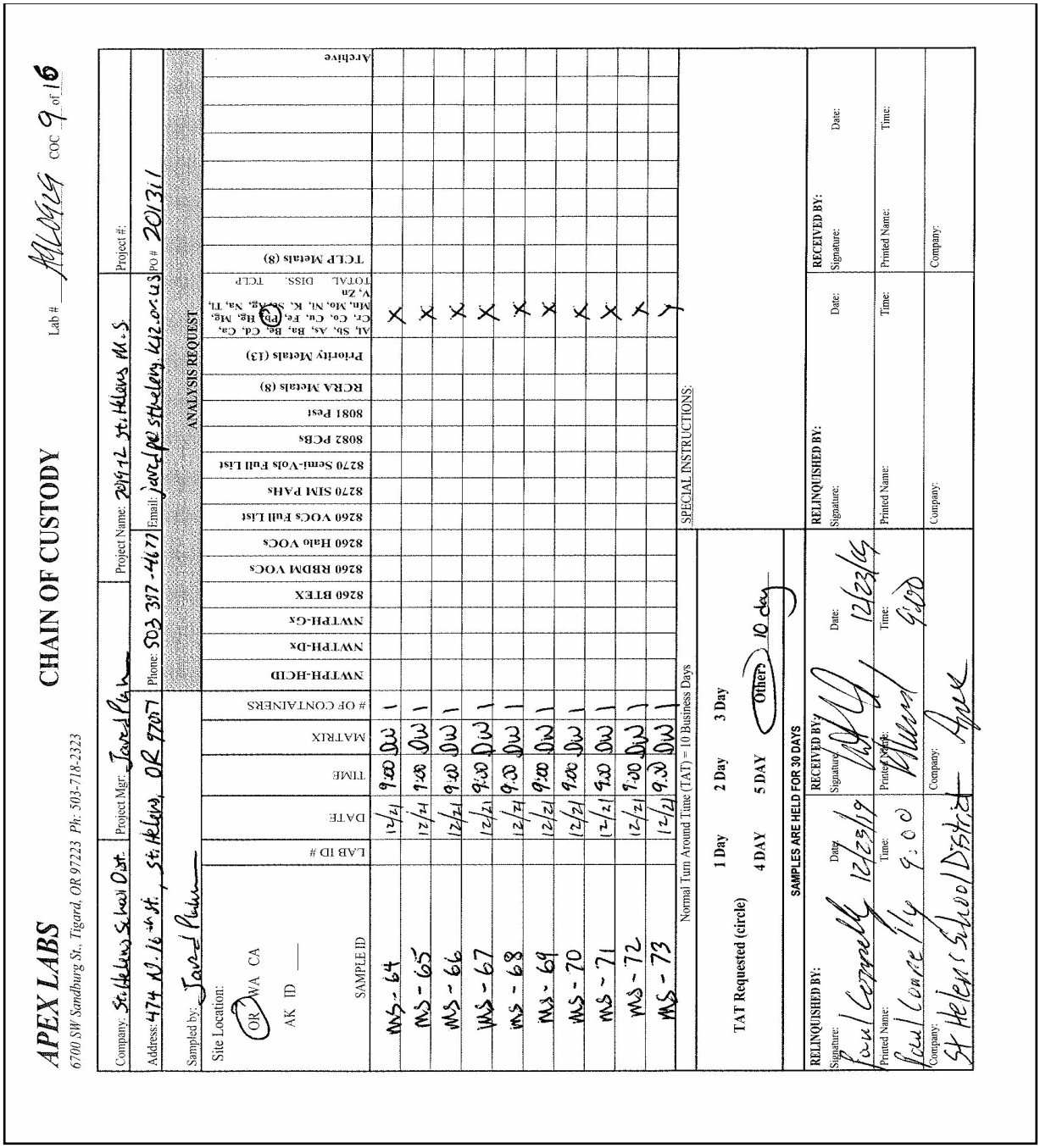
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # APEX LABS COC 9 of 16

Company: St.Helens School Dist. | Project Mgr: Jared Plahn | Project Name: 201912 St.Helens M.S | Project #:
Address: 474 N. 16th St., St.Helens, OR 97051 | Phone: 503 397-4171 | Email: jared.plahn@sthelens.k12.or.us | PO # 201311
Sampled by: Jared Plahn

Site Location: (OR) WA CA
AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS - 64		12/21	9:00	DW	1														X	
MS - 65		12/21	9:00	DW	1														X	
MS - 66		12/21	9:00	DW	1														X	
MS - 67		12/21	9:00	DW	1														X	
MS - 68		12/21	9:00	DW	1														X	
MS - 69		12/21	9:00	DW	1														X	
MS - 70		12/21	9:00	DW	1														X	
MS - 71		12/21	9:00	DW	1														X	
MS - 72		12/21	9:00	DW	1														X	
MS - 73		12/21	9:00	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other 10 day

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	RECEIVED BY:	Date:	RELINQUISHED BY:	Date:	RECEIVED BY:	Date:
Signature:		Signature:		Signature:		Signature:	
Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:
Company:		Company:		Company:		Company:	

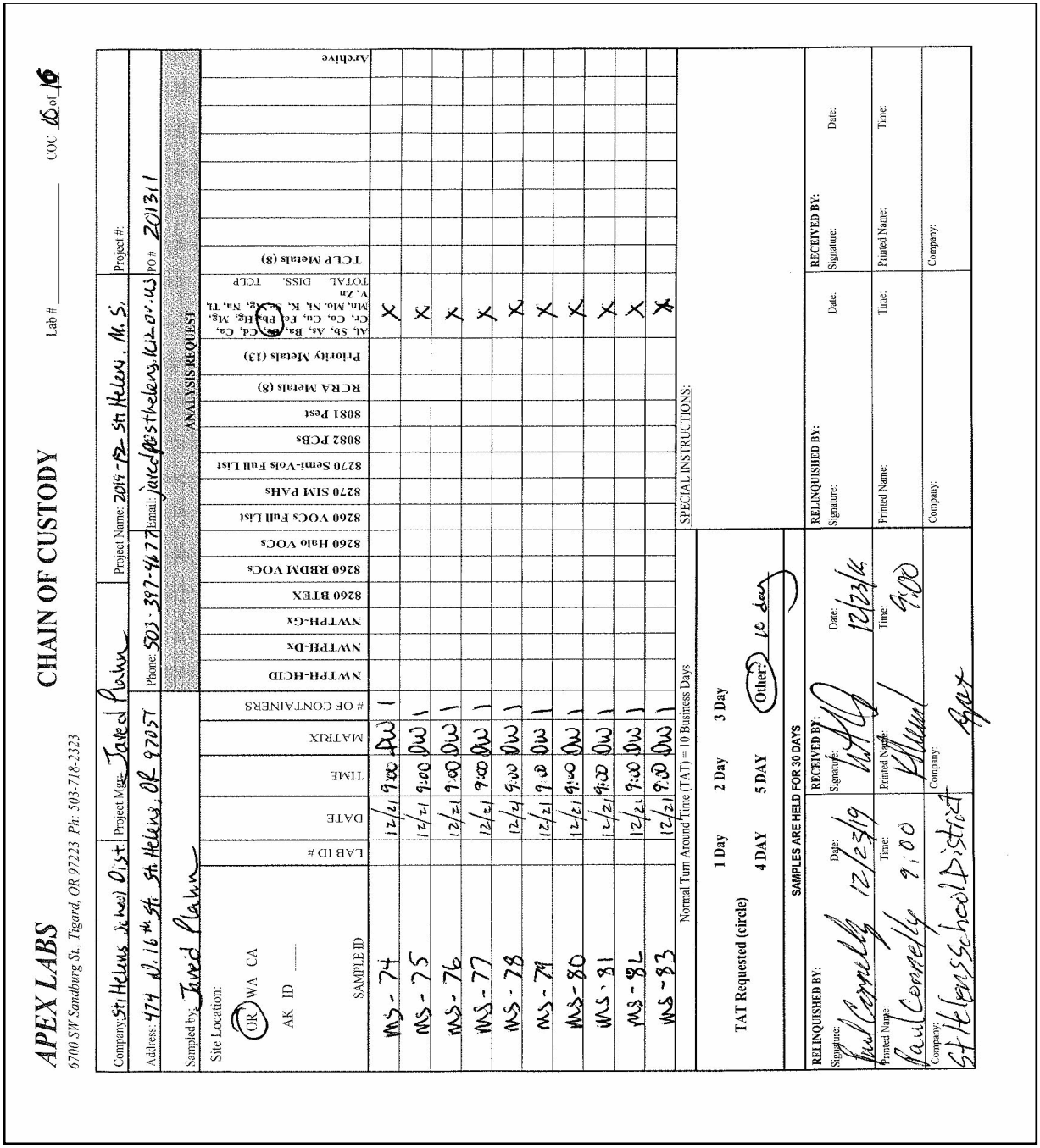
Apex Laboratories

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # _____ COC 15 of 16

Company: St Helens School Dist | Project Mgr: Jared Plahn | Project Name: 2016-17 St Helens, M. S. | Project #:
Address: 474 N. 16th St. St. Helens, OR 97057 | Phone: 503-397-4677 | Email: jaredp@sthelens.k12.or.us | PO # 20131.1
Sampled by: Jared Plahn

Site Location: (OR) WA CA / AK ID

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn — TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-74		12/21	9:00	DW	1														X	
MS-75		12/21	9:00	DW	1														X	
MS-76		12/21	9:00	DW	1														X	
MS-77		12/21	9:00	DW	1														X	
MS-78		12/21	9:00	DW	1														X	
MS-79		12/21	9:00	DW	1														X	
MS-80		12/21	9:00	DW	1														X	
MS-81		12/21	9:00	DW	1														X	
MS-82		12/21	9:00	DW	1														X	
MS-83		12/21	9:00	DW	1														X	

SPECIAL INSTRUCTIONS:

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day | 2 Day | 3 Day | 4 DAY | 5 DAY | Other: 10 days

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: Paul Connelly Date: 12/23/19 Time: 9:00 Printed Name: Paul Connelly Company: St Helens School District

RECEIVED BY: Signature: Date: 12/23/19 Time: 9:00 Printed Name: Company: Apex

RELINQUISHED BY: Signature: Date: Time: Printed Name: Company:

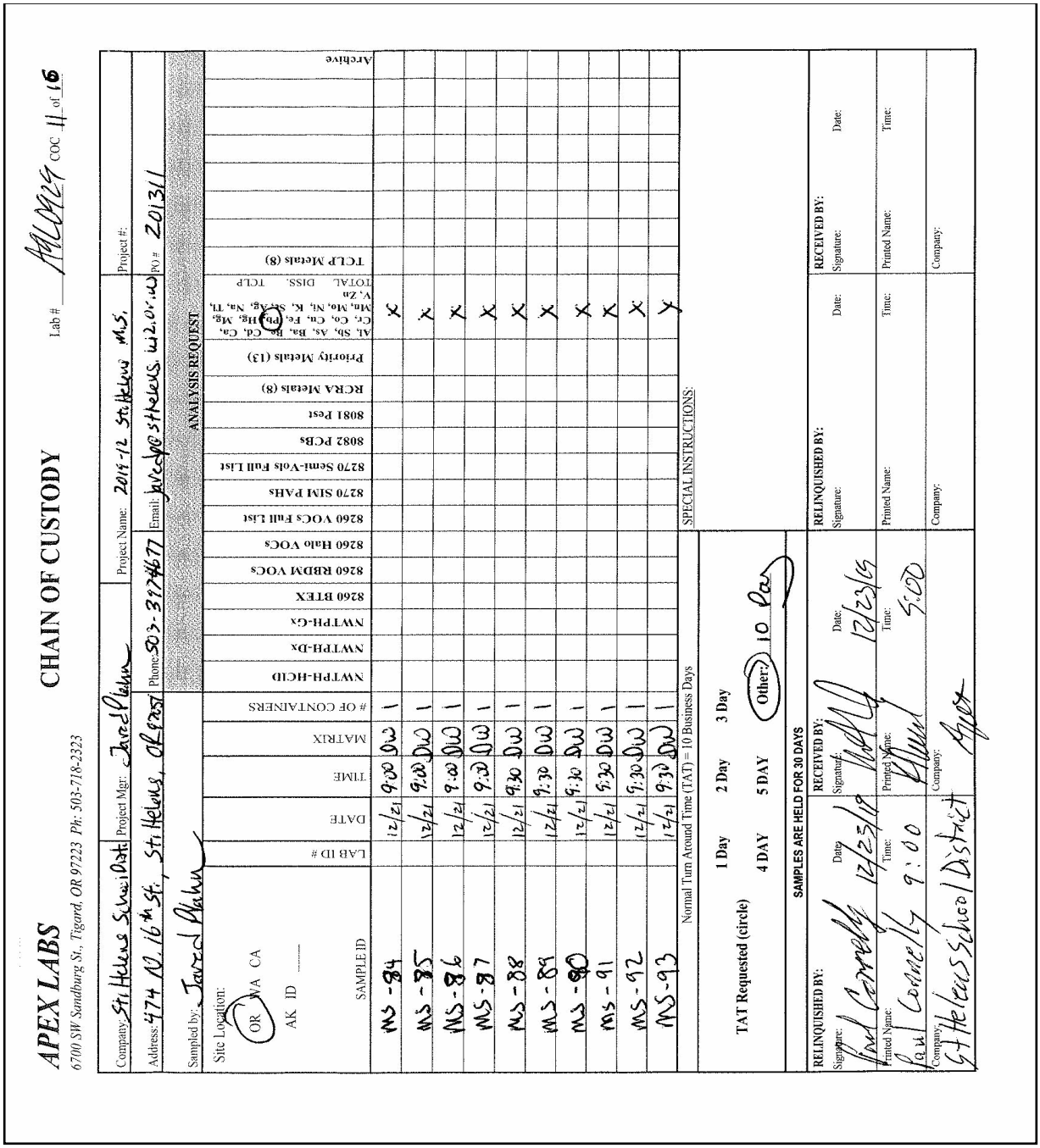
RECEIVED BY: Signature: Date: Time: Printed Name: Company:

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # _____ COC # 11 of 16

Company: St Helens School Dist | Project Mgr: Jared Plahn | Project Name: 2016-12 St Helens MS, | Project #:
Address: 474 N. 16th St., St Helens, OR 97051 | Phone: 503-397-7677 | Email: jplahn@sthelens.k12.or.us | PO # 20131
Sampled by: Jared Plahn

Site Location: (OR) WA CA
AK ID _____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-84		12/21	9:00	DW	1														X	
MS-85		12/21	9:00	DW	1														X	
MS-86		12/21	9:00	DW	1														X	
MS-87		12/21	9:30	DW	1														X	
MS-88		12/21	9:30	DW	1														X	
MS-89		12/21	9:30	DW	1														X	
MS-90		12/21	9:30	DW	1														X	
MS-91		12/21	9:30	DW	1														X	
MS-92		12/21	9:30	DW	1														X	
MS-93		12/21	9:30	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle)
1 Day 2 Day 3 Day
4 DAY 5 DAY Other: 10 Day

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Paul Connelly	Signature:	Signature:	Signature:
Printed Name: Paul Connelly	Printed Name:	Printed Name:	Printed Name:
Company: St Helens School Dist	Company: Apex	Company:	Company:
Date: 12/23/19	Date:	Date:	Date:
Time: 9:00	Time: 5:00	Time:	Time:

Apex Laboratories

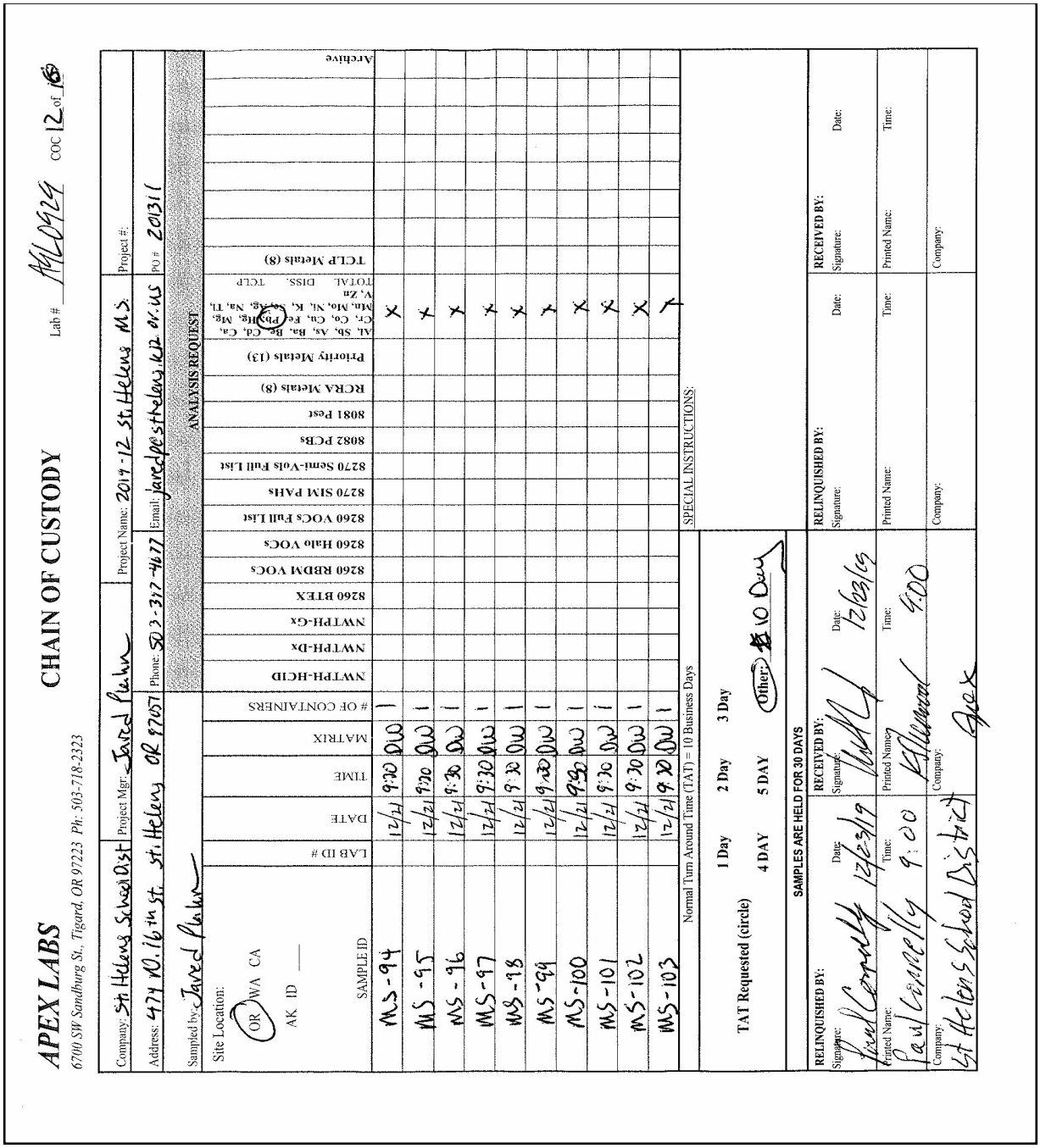
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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph. 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0929 COC 12 of 16

Company: St Helens School Dist | Project Mgr: Jared Plahn | Project Name: 2019-12 St.Helens MS | Project #:
Address: 474 N. 16th St. St. Helens OR 97051 | Phone: 503-397-4617 | Email: jaredp@sthelens.k12.or.us | PO # 201311
Sampled by: Jared Plahn

Site Location: (OR) WA CA AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-94		12/4	9:30	DW	1														X		
MS-95		12/4	9:30	DW	1														X		
MS-96		12/4	9:30	DW	1														X		
MS-97		12/4	9:30	DW	1														X		
MS-98		12/4	9:30	DW	1														X		
MS-99		12/4	9:30	DW	1														X		
MS-100		12/4	9:30	DW	1														X		
MS-101		12/4	9:30	DW	1														X		
MS-102		12/4	9:30	DW	1														X		
MS-103		12/4	9:30	DW	1														X		

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY (Other: 10 Day)

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 12/6/19	Date: 12/6/19	Date:	Date:
Time: 9:00	Time: 9:00	Time:	Time:
Printed Name: Paul Lawrence	Printed Name:	Printed Name:	Printed Name:
Company: St Helens School Dist	Company: Apex	Company:	Company:

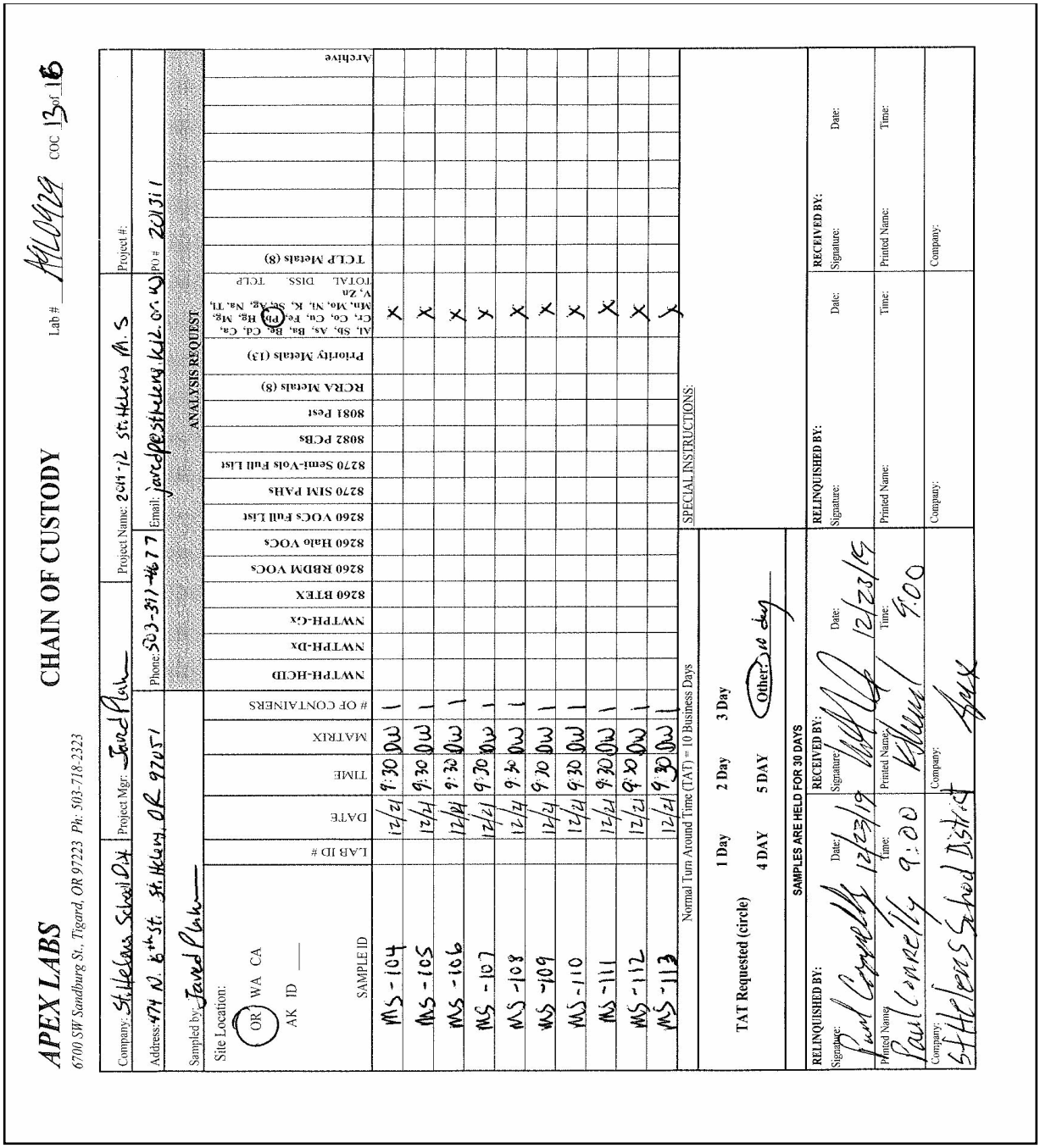
Apex Laboratories

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A9L0929 COC 13 of 16

Company: St.Helens School Dist | Project Mgr: Jared Plahn | Project Name: 2019-12 St.Helens M.S. | Project #:
Address: 474 N. 16th St. St. Helens, OR 97051 | Phone: 503-397-4677 | Email: jaredp@sthelens.k12.or.us | PO # 20131

Sampled by: Jared Plahn

Site Location: (OR) WA CA / AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-104		12/21	9:30	DW	1														X	
MS-105		12/21	9:30	DW	1														X	
MS-106		12/21	9:30	DW	1														X	
MS-107		12/21	9:30	DW	1														X	
MS-108		12/21	9:30	DW	1														X	
MS-109		12/21	9:30	DW	1														X	
MS-110		12/21	9:30	DW	1														X	
MS-111		12/21	9:30	DW	1														X	
MS-112		12/21	9:30	DW	1														X	
MS-113		12/21	9:30	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other 10 day

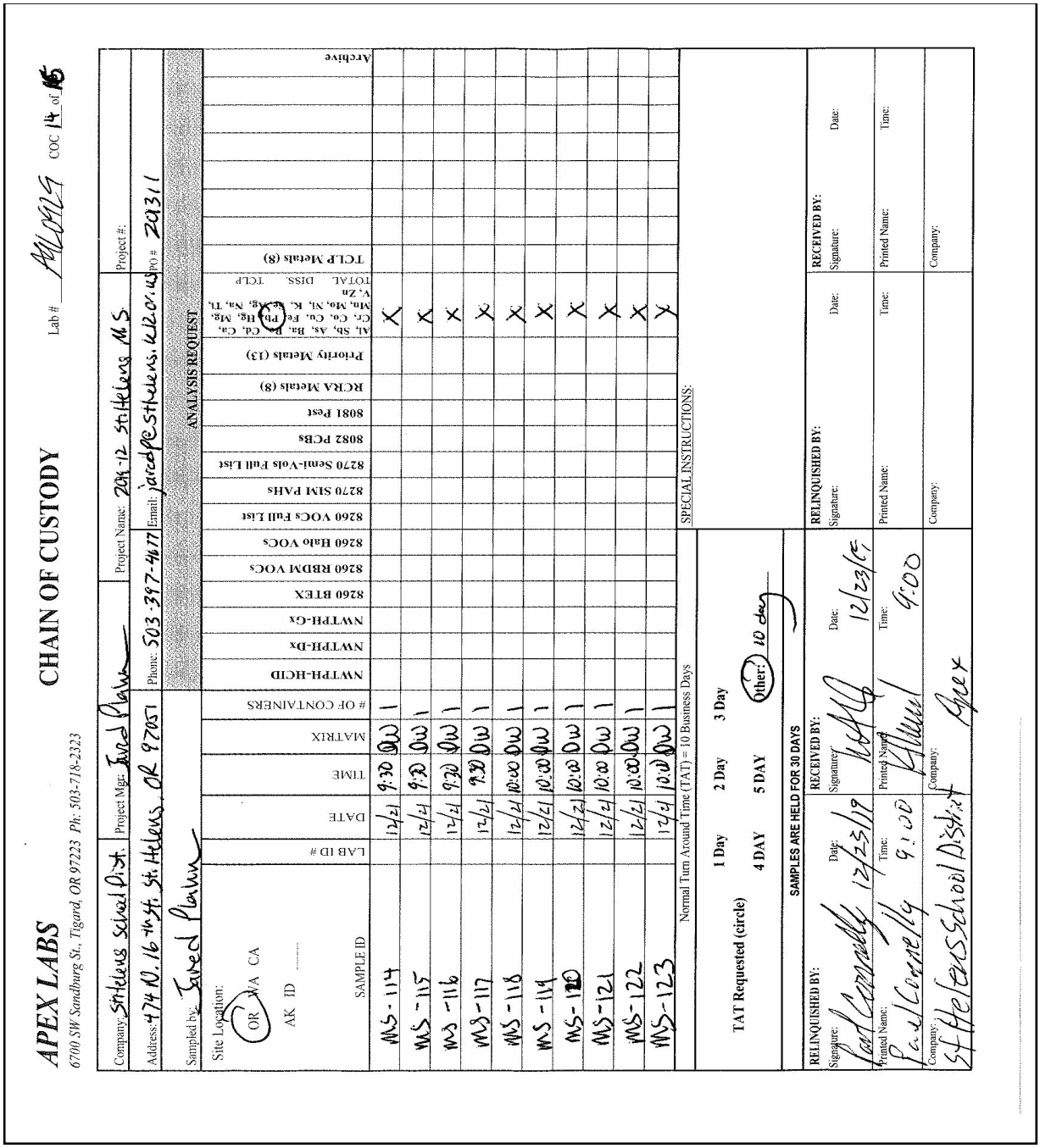
SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Paul Carpenter	Signature:	Signature:	Signature:
Printed Name: Paul Carpenter	Printed Name:	Printed Name:	Printed Name:
Company: St.Helens School Dist	Company:	Company:	Company:
Date: 12/23/19	Date: 12/23/19	Date:	Date:
Time: 9:00	Time: 9:00	Time:	Time:

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # ALS COC 14 of 15

Company: St Helens School Dist. Project Mgr: Jared Plahn Project Name: 20-12 St Helens MS Project #:
Address: 474 N. 16th St. St. Helens, OR 97051 Phone: 503-397-4477 Email: jaredp@sthelens.k12.or.us PO # 20311
Sampled by: Jared Plahn

Site Location: OR WA CA AK ID

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-114		12/21	9:30	DW	1														X	
MS-115		12/21	9:30	DW	1														X	
MS-116		12/21	9:30	DW	1														X	
MS-117		12/21	9:30	DW	1														X	
MS-118		12/21	10:00	DW	1														X	
MS-119		12/21	10:00	DW	1														X	
MS-120		12/21	10:00	DW	1														X	
MS-121		12/21	10:00	DW	1														X	
MS-122		12/21	10:00	DW	1														X	
MS-123		12/21	10:00	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: 10 day

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Jared Plahn	Signature: [illegible]	Signature:	Signature:
Printed Name: Jared Plahn	Printed Name: [illegible]	Printed Name:	Printed Name:
Company: St Helens School Dist.	Company: Apex	Company:	Company:
Date: 12/23/19	Date: 12/23/19	Date:	Date:
Time: 9:00	Time: 9:00	Time:	Time:

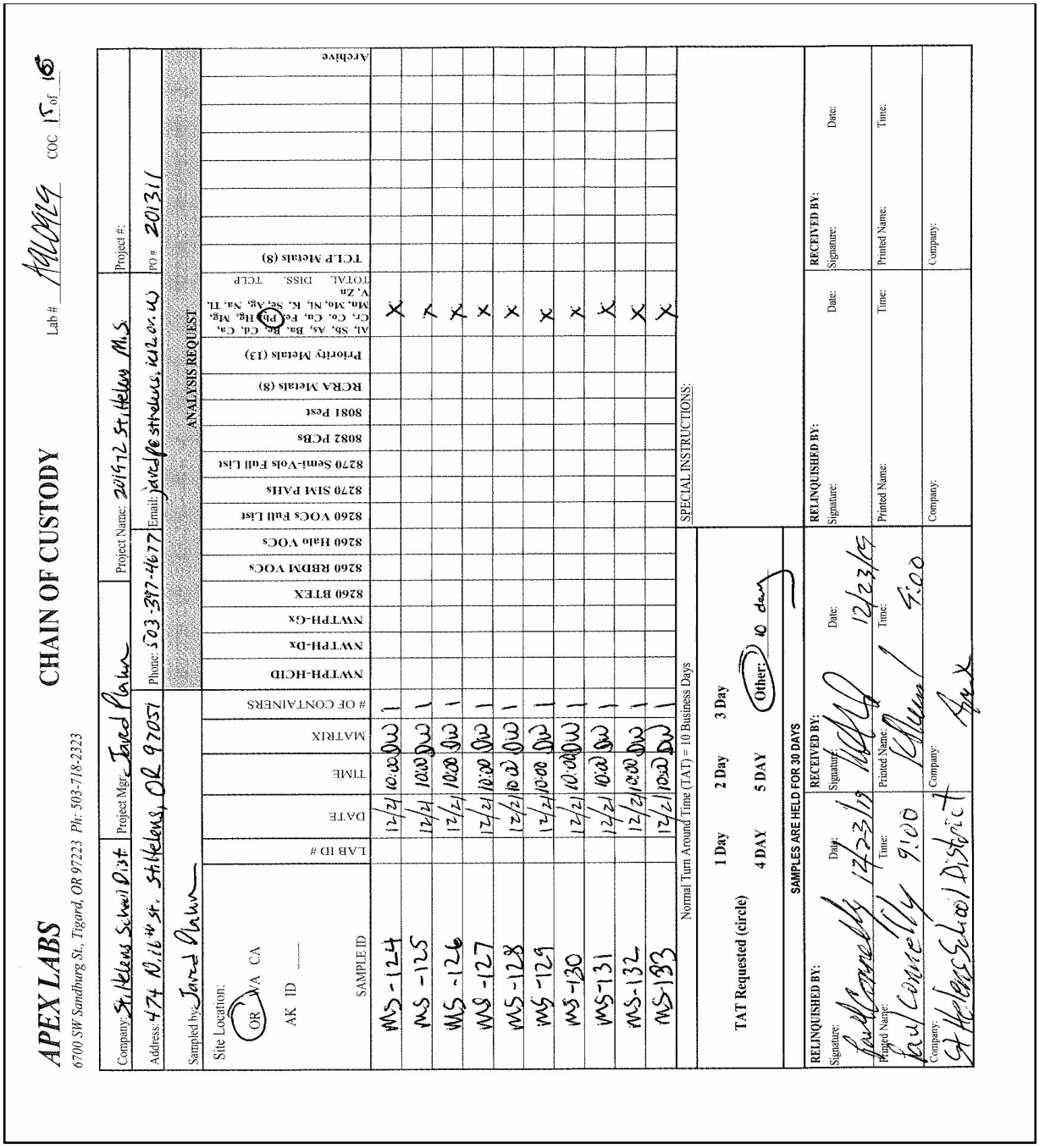
Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Kevin J. Friscia, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # APEX COC 15 of 16

Company: St.Helens School Dist. Project Mgr: Jared Plahn Project Name: 201972 St.Helens M.S. Project #:
Address: 474 N.16th St. St.Helens, OR 97051 Phone: 503-397-4677 Email: jared.p@sthelens.k12.or.us PO # 201311

Sampled by: Jared Plahn

Site Location: (OR) WA CA
AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
MS-124		12/21	10:00	DW	1														X	
MS-125		12/21	10:00	DW	1														X	
MS-126		12/21	10:00	DW	1														X	
MS-127		12/21	10:00	DW	1														X	
MS-128		12/21	10:00	DW	1														X	
MS-129		12/21	10:00	DW	1														X	
MS-130		12/21	10:00	DW	1														X	
MS-131		12/21	10:00	DW	1														X	
MS-132		12/21	10:00	DW	1														X	
MS-133		12/21	10:00	DW	1														X	

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

TAT Requested (circle)
1 Day 2 Day 3 Day
4 DAY 5 DAY Other: 10 day

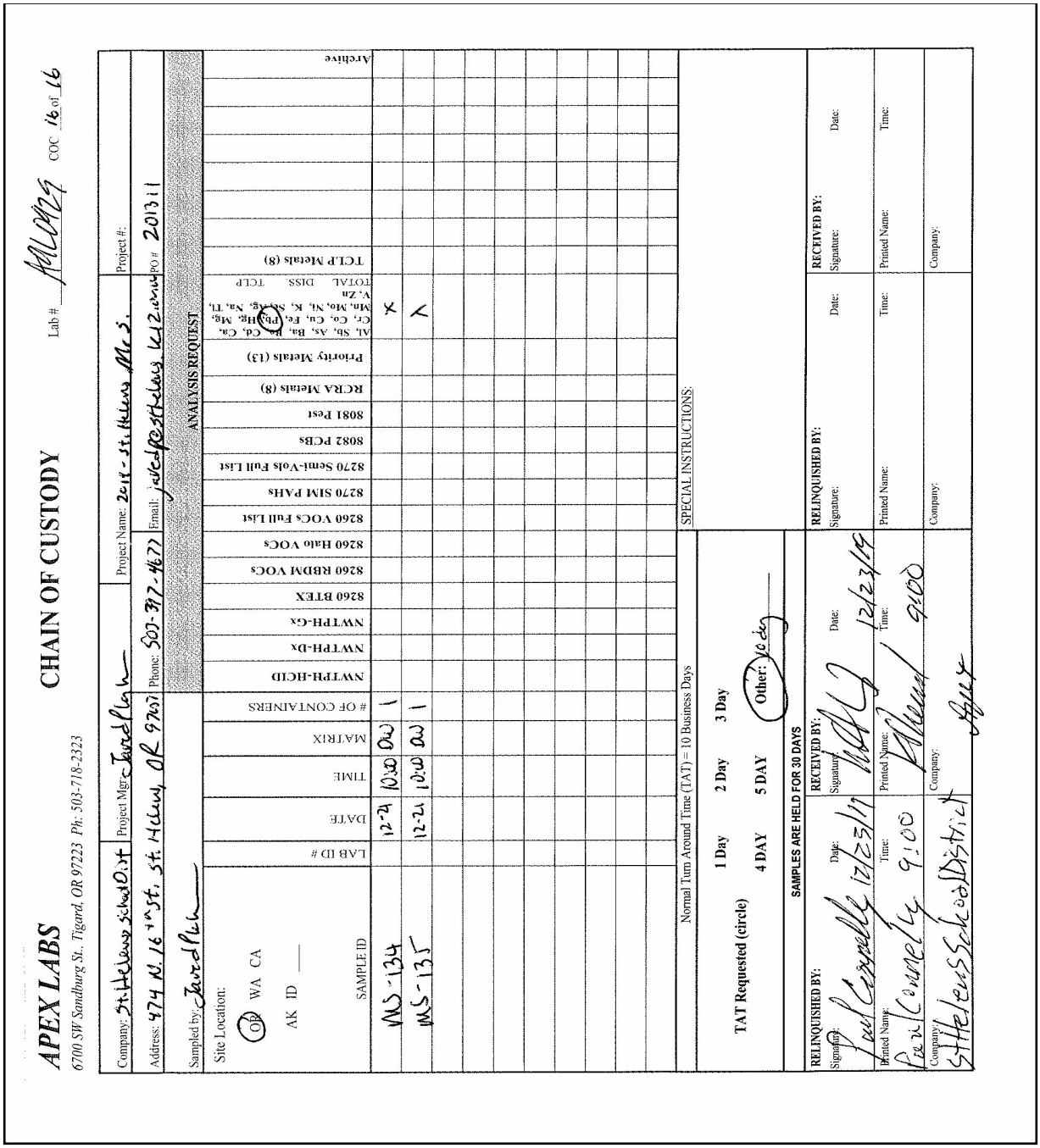
SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Day:	Date:	Date:	Date:
Time:	Time:	Time:	Time:
Printed Name:	Printed Name:	Printed Name:	Printed Name:
Company:	Company:	Company:	Company:

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph. 503-718-2323

CHAIN OF CUSTODY

Lab # ALL0929 COC 16 of 16

Company: St.Helens School Dist | Project Mgr: Jared Plahn | Project Name: 2019 - St. Helens MS. | Project #:
Address: 474 N. 16th St, St. Helens, OR 97051 | Phone: 503-397-4672 | Email: jaredp@sthelens.k12.or.us | PO # 20131

Sampled by: Jared Plahn

Site Location: OR WA CA / AK ID ____

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS
MS-134		12-21	10:30	DW	1
MS-135		12-21	10:30	DW	1

ANALYSIS REQUEST

Archive	TCLP Metals (8)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS TCLP	Priority Metals (13)	RCRA Metals (8)	8081 Pest	8082 PCBs	8270 Semi-Vols Full List	8270 SIM PAHs	8260 VOCs Full List	8260 Halo VOCs	8260 RBDM VOCs	8260 BTEX	NWTPH-Gx	NWTPH-Dx	NWTPH-HCID
		X													
		X													

SPECIAL INSTRUCTIONS:

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: 10 day

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Paul Connelly	Signature:	Signature:	Signature:
Printed Name: Paul Connelly	Printed Name:	Printed Name:	Printed Name:
Company: St. Helens School Dist	Company:	Company:	Company:
Date: 12/23/19	Date: 12/23/19	Date:	Date:
Time: 9:00	Time: 9:00	Time:	Time:

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

St.Helens School District	Project: **St.Helens MS**	
474 N 16th St.	Project Number: **Drinking Water**	**Report ID:**
St.Helens, OR 97051	Project Manager: **Jared Plahn**	**A9L0929 - 01 09 20 1423**

APEX LABS COOLER RECEIPT FORM

Client: St Helens School District Element WO#: A9 L0929

Project/Project #: 2019-12

Delivery Info:

Date/time received: 12/23/19 @ 900 By: KRS

Delivered by: Apex ___ Client X ESS ___ FedEx ___ UPS ___ Swift ___ Senvoy ___ SDS ___ Other ___

Cooler Inspection Date/time inspected: 12/23/19 @ 956 By: (8)

Chain of Custody included? Yes X No ___ Custody seals? Yes ___ No X

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	13.5	13.3	13.4				
Received on ice? (Y/N)	N	N	N				
Temp. blanks? (Y/N)	N	N	N				
Ice type: (Gel/Real/Other)	N/A	N/A	N/A				
Condition:	out	Out	Out				

Cooler out of temp? (Y/N) Possible reason why: Drinking waters

If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/(NA)

Out of temperature samples form initiated? Yes/No/(NA)

Samples Inspection: Date/time inspected: 12/24/19 @ 9:27 By: MS

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No ___ NA X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: ___

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ___

Water samples: pH checked: Yes X No ___ NA ___ pH appropriate? Yes ___ No X NA ___

Comments: ph ~ 7 MS-53, MS-72

Additional information: ___

Labeled by: KS Witness: KVK Cooler Inspected by: KRS See Project Contact Form: Y

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Kevin J. Friscia, Project Manager