

Apex Labs

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Thursday, June 30, 2016

Erick Gonzalez
Alpha Environmental
11080 SW Allen Blvd, Suite 100
Beaverton, OR 97005

RE: 2044 E. Burnside St/16-0619

Enclosed are the results of analyses for work order A6F0795, which was received by the laboratory on 6/24/2016 at 4:00:00PM.

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

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.

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

DRAFT REPORT, DATA SUBJECT TO CHANGE

Alpha Environmental
 11080 SW Allen Blvd, Suite 100
 Beaverton, OR 97005

Project#: 2044 E. Burnside St/16-0619

Project Manager: Erick Gonzalez

Reported:
 06/30/16 17:24

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S1-Bathroom Sink	A6F0795-01	Drinking Water	06/24/16 08:16	06/24/16 16:00
S2-Utility	A6F0795-02	Drinking Water	06/24/16 08:17	06/24/16 16:00
S3-Classroom #105 Bath	A6F0795-03	Drinking Water	06/24/16 08:20	06/24/16 16:00
S4-Classroom Sink	A6F0795-04	Drinking Water	06/24/16 08:21	06/24/16 16:00
S5-Boys Bath	A6F0795-05	Drinking Water	06/24/16 08:23	06/24/16 16:00
S6-Girls Bath	A6F0795-06	Drinking Water	06/24/16 08:24	06/24/16 16:00
S7-Hallway Fountain	A6F0795-07	Drinking Water	06/24/16 08:27	06/24/16 16:00
S8-2nd Floor Kitchen	A6F0795-08	Drinking Water	06/24/16 08:29	06/24/16 16:00
S9-2nd Floor Girls Bath	A6F0795-09	Drinking Water	06/24/16 08:31	06/24/16 16:00
S10-2nd Floor Fountain	A6F0795-10	Drinking Water	06/24/16 08:32	06/24/16 16:00
S11-2nd Floor Class Bath	A6F0795-11	Drinking Water	06/24/16 08:34	06/24/16 16:00
S12-2nd Fl 2nd Class Bath	A6F0795-12	Drinking Water	06/24/16 08:35	06/24/16 16:00

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
S1-Bathroom Sink (A6F0795-01)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.00313	---	0.000200	mg/L	1	06/28/16 21:48	EPA 200.8	
S2-Utility (A6F0795-02)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.00297	---	0.000200	mg/L	1	06/28/16 21:50	EPA 200.8	
S3-Classroom #105 Bath (A6F0795-03)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.00371	---	0.000200	mg/L	1	06/28/16 21:53	EPA 200.8	
S4-Classroom Sink (A6F0795-04)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.0121	---	0.000200	mg/L	1	06/28/16 21:57	EPA 200.8	
S5-Boys Bath (A6F0795-05)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.000207	---	0.000200	mg/L	1	06/28/16 22:01	EPA 200.8	
S6-Girls Bath (A6F0795-06)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.000456	---	0.000200	mg/L	1	06/29/16 19:54	EPA 200.8	
S7-Hallway Fountain (A6F0795-07)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.000428	---	0.000200	mg/L	1	06/28/16 22:09	EPA 200.8	
S8-2nd Floor Kitchen (A6F0795-08)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.00131	---	0.000200	mg/L	1	06/28/16 22:11	EPA 200.8	
S9-2nd Floor Girls Bath (A6F0795-09)			Matrix: Drinking Water					
Batch: 6060843								
Lead	ND	---	0.000200	mg/L	1	06/28/16 22:13	EPA 200.8	
S10-2nd Floor Fountain (A6F0795-10)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.000274	---	0.000200	mg/L	1	06/28/16 22:15	EPA 200.8	
S11-2nd Floor Class Bath (A6F0795-11)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.000593	---	0.000200	mg/L	1	06/28/16 22:17	EPA 200.8	
S12-2nd Fl 2nd Class Bath (A6F0795-12)			Matrix: Drinking Water					

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
S12-2nd Fl 2nd Class Bath (A6F0795-12)			Matrix: Drinking Water					
Batch: 6060843								
Lead	0.00243	---	0.000200	mg/L	1	06/28/16 22:19	EPA 200.8	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6060843 - Matrix Matched Direct Inject						Drinking Water						
Blank (6060843-BLK1)						Prepared: 06/28/16 15:59 Analyzed: 06/28/16 21:44						
EPA 200.8												
Lead	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	---
LCS (6060843-BS1)						Prepared: 06/28/16 15:59 Analyzed: 06/28/16 21:46						
EPA 200.8												
Lead	0.0161	---	0.000200	mg/L	1	0.0167	---	97	85-115%	---	---	---
Duplicate (6060843-DUP1)						Prepared: 06/28/16 15:59 Analyzed: 06/28/16 21:55						
QC Source Sample: S3-Classroom #105 Bath (A6F0795-03)												
EPA 200.8												
Lead	0.00373	---	0.000200	mg/L	1	---	0.00371	---	---	0.6	20%	---
Matrix Spike (6060843-MS1)						Prepared: 06/28/16 15:59 Analyzed: 06/28/16 21:59						
QC Source Sample: S4-Classroom Sink (A6F0795-04)												
EPA 200.8												
Lead	0.0284	---	0.000200	mg/L	1	0.0167	0.0121	98	70-130%	---	---	---
Matrix Spike (6060843-MS2)						Prepared: 06/28/16 15:59 Analyzed: 06/28/16 22:21						
QC Source Sample: S12-2nd Fl 2nd Class Bath (A6F0795-12)												
EPA 200.8												
Lead	0.0186	---	0.000200	mg/L	1	0.0167	0.00243	97	70-130%	---	---	---

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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
Batch: 6060843							
A6F0795-01	Drinking Wa	EPA 200.8	06/24/16 08:16	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-02	Drinking Wa	EPA 200.8	06/24/16 08:17	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-03	Drinking Wa	EPA 200.8	06/24/16 08:20	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-04	Drinking Wa	EPA 200.8	06/24/16 08:21	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-05	Drinking Wa	EPA 200.8	06/24/16 08:23	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-06	Drinking Wa	EPA 200.8	06/24/16 08:24	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-07	Drinking Wa	EPA 200.8	06/24/16 08:27	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-08	Drinking Wa	EPA 200.8	06/24/16 08:29	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-09	Drinking Wa	EPA 200.8	06/24/16 08:31	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-10	Drinking Wa	EPA 200.8	06/24/16 08:32	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-11	Drinking Wa	EPA 200.8	06/24/16 08:34	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00
A6F0795-12	Drinking Wa	EPA 200.8	06/24/16 08:35	06/28/16 15:59	45mL/50mL	45mL/50mL	1.00

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Notes and Definitions

Qualifiers:

Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
- Batch
QC Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
- Blank
Policy Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they 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.
- For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.
- Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
- 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).

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