

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Friday, October 7, 2016

Melissa Meyer
MITCH Charter School
19550 SW 90th Court
Tualatin, OR 97062

RE: Lead in Drinking Water / [none]

Enclosed are the results of analyses for work order A610642, which was received by the laboratory on 9/20/2016 at 11:14:00AM.

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: ldomenighini@apex-labs.com, or by phone at 503-718-2323.

Apex Laboratories



Lisa Domenighini, Client Services Manager

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MITCH Charter School
 19550 SW 90th Court
 Tualatin, OR 97062

Project: **Lead in Drinking Water**

Project Number: [none]
 Project Manager: Melissa Meyer

Reported:
 10/07/16 16:29

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P801 Gym Sink	A6I0642-01	Drinking Water	09/20/16 06:45	09/20/16 11:14
P803 Girls' Bathroom	A6I0642-02	Drinking Water	09/20/16 06:45	09/20/16 11:14
P803 Boys' Bathroom	A6I0642-03	Drinking Water	09/20/16 06:45	09/20/16 11:14
P801 Pass Through Girls Bathroom	A6I0642-04	Drinking Water	09/20/16 06:45	09/20/16 11:14
P801 Pass Through Boys Bathroom	A6I0642-05	Drinking Water	09/20/16 06:45	09/20/16 11:14
P801 East Fountain A	A6I0642-06	Drinking Water	09/20/16 06:40	09/20/16 11:14
P801 East Fountain B	A6I0642-07	Drinking Water	09/20/16 06:40	09/20/16 11:14
P801 Office Sink	A6I0642-08	Drinking Water	09/20/16 06:30	09/20/16 11:14
P801 Science Lab	A6I0642-09	Drinking Water	09/20/16 06:35	09/20/16 11:14
P801 West Fountain A	A6I0642-10	Drinking Water	09/20/16 06:35	09/20/16 11:14
P801 West Fountain B	A6I0642-11	Drinking Water	09/20/16 06:35	09/20/16 11:14
P801 Office Bathroom A	A6I0642-12	Drinking Water	09/20/16 06:30	09/20/16 11:14
P801 Office Bathroom B	A6I0642-13	Drinking Water	09/20/16 06:30	09/20/16 11:14



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Project: **Lead in Drinking Water**
 Project Number: [none]
 Project Manager: Melissa Meyer

Reported:
 10/07/16 16:29

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
P801 Gym Sink (A610642-01)			Matrix: Drinking Water					
Batch: 6100184								
Lead	4.14	---	0.200	ug/L	1	10/05/16 15:18	EPA 200.8	
P803 Girls' Bathroom (A610642-02)			Matrix: Drinking Water					
Batch: 6100184								
Lead	14.9	---	0.200	ug/L	1	10/05/16 15:22	EPA 200.8	
P803 Boys' Bathroom (A610642-03)			Matrix: Drinking Water					
Batch: 6100184								
Lead	3.90	---	0.200	ug/L	1	10/05/16 15:23	EPA 200.8	
P801 Pass Through Girls Bathroom (A610642-04)			Matrix: Drinking Water					
Batch: 6100184								
Lead	1.61	---	0.200	ug/L	1	10/05/16 15:25	EPA 200.8	
P801 Pass Through Boys Bathroom (A610642-05)			Matrix: Drinking Water					
Batch: 6100184								
Lead	1.67	---	0.200	ug/L	1	10/05/16 15:26	EPA 200.8	
P801 East Fountain A (A610642-06)			Matrix: Drinking Water					
Batch: 6100184								
Lead	ND	---	0.200	ug/L	1	10/05/16 15:28	EPA 200.8	
P801 East Fountain B (A610642-07)			Matrix: Drinking Water					
Batch: 6100184								
Lead	0.278	---	0.200	ug/L	1	10/05/16 15:30	EPA 200.8	
P801 Office Sink (A610642-08)			Matrix: Drinking Water					
Batch: 6100184								
Lead	1.89	---	0.200	ug/L	1	10/05/16 15:31	EPA 200.8	
P801 Science Lab (A610642-09)			Matrix: Drinking Water					
Batch: 6100231								
Lead	13.7	---	0.200	ug/L	1	10/05/16 16:25	EPA 200.8	DW-D
P801 West Fountain A (A610642-10)			Matrix: Drinking Water					
Batch: 6100184								
Lead	ND	---	0.200	ug/L	1	10/05/16 15:33	EPA 200.8	
P801 West Fountain B (A610642-11RE1)			Matrix: Drinking Water					
Batch: 6100184								
Lead	ND	---	0.200	ug/L	1	10/05/16 17:57	EPA 200.8	
P801 Office Bathroom A (A610642-12)			Matrix: Drinking Water					

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Lisa Domenighini, Client Services Manager

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MITCH Charter School 19550 SW 90th Court Tualatin, OR 97062	Project: Lead in Drinking Water Project Number: [none] Project Manager: Melissa Meyer	Reported: 10/07/16 16:29
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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
P801 Office Bathroom A (A6I0642-12)			Matrix: Drinking Water					
Batch: 6100184								
Lead	1.89	---	0.200	ug/L	1	10/05/16 15:40	EPA 200.8	
P801 Office Bathroom B (A6I0642-13)			Matrix: Drinking Water					
Batch: 6100184								
Lead	1.84	---	0.200	ug/L	1	10/05/16 15:42	EPA 200.8	

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Project: **Lead in Drinking Water**
 Project Number: [none]
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Reported:
 10/07/16 16:29

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 6100184 - Matrix Matched Direct Inject						Drinking Water						
Blank (6100184-BLK1)						Prepared: 10/04/16 10:44 Analyzed: 10/05/16 15:02						
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (6100184-BS1)						Prepared: 10/04/16 10:44 Analyzed: 10/05/16 15:04						
EPA 200.8												
Lead	17.0	---	0.200	ug/L	1	16.7	---	102	85-115%	---	---	---
Batch 6100231 - EPA 3015A						Drinking Water						
Blank (6100231-BLK1)						Prepared: 10/05/16 09:23 Analyzed: 10/05/16 15:38						
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (6100231-BS1)						Prepared: 10/05/16 09:23 Analyzed: 10/05/16 15:40						
EPA 200.8												
Lead	16.8	---	0.200	ug/L	1	16.7	---	101	85-115%	---	---	---



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Project Number: [none]
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Reported:
 10/07/16 16:29

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: 6100231							
A6I0642-09	Drinking Wa	EPA 200.8	09/20/16 06:35	10/05/16 09:23	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: 6100184							
A6I0642-01	Drinking Wa	EPA 200.8	09/20/16 06:45	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-02	Drinking Wa	EPA 200.8	09/20/16 06:45	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-03	Drinking Wa	EPA 200.8	09/20/16 06:45	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-04	Drinking Wa	EPA 200.8	09/20/16 06:45	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-05	Drinking Wa	EPA 200.8	09/20/16 06:45	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-06	Drinking Wa	EPA 200.8	09/20/16 06:40	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-07	Drinking Wa	EPA 200.8	09/20/16 06:40	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-08	Drinking Wa	EPA 200.8	09/20/16 06:30	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-10	Drinking Wa	EPA 200.8	09/20/16 06:35	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-11RE1	Drinking Wa	EPA 200.8	09/20/16 06:35	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-12	Drinking Wa	EPA 200.8	09/20/16 06:30	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00
A6I0642-13	Drinking Wa	EPA 200.8	09/20/16 06:30	10/04/16 10:44	45mL/50mL	45mL/50mL	1.00

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Project: **Lead in Drinking Water**

Project Number: [none]
Project Manager: Melissa Meyer

Reported:
10/07/16 16:29

Notes and Definitions

Qualifiers:

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

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 1/2 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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Reported:
10/07/16 16:29

Lab # AL10642 COC 1 of 2

CHAIN OF CUSTODY

APEX LABS

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Company: **MITCH CHARTER SCHOOL** Project Mgr: **MELISSA MEYER** Project Name: **---** PO# **---**
Address: **19550 SW 90th Court TUALATIN 97062** Phone: **503.639.5757** Fax: **---** Email: **schooloffice@mitchcharter-school.org**

Sampled by: **---**

LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS		ANALYSIS REQUEST
				YES	NO	
PE01 GYM SINK	9/20	6:45am		1		
PE03 GIRLS' BATHROOM	9/20	6:45am		1		
PE08 BOYS' BATHROOM	9/20	6:45am		1		
PE01 PASS-THROUGH GIRLS' BATHROOM	9/20	6:45am		1		
PE01 PASS-THROUGH BOYS' BATHROOM	9/20	6:45am		1		
PE01 EAST FOUNTAIN A	9/20	6:40am		1		
PE01 EAST FOUNTAIN B	9/20	6:40am		1		
PE01 OFFICE BATHROOM A	9/20	6:30am		1		
PE01 OFFICE BATHROOM B	9/20	6:30am		1		
PE01 OFFICE SINK	9/20	6:30am		1		

Normal Turn Around Time (TAT) = 10 Business Days

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

SPECIAL INSTRUCTIONS: **DW P/B**

RECEIVED BY: **Melissa Meyer** Date: **9/20** Signature: *Melissa Meyer*
 Signature: **MELISSA MEYER** Date: **9/20** Signature: *Melissa Meyer*
 Printed Name: **MELISSA MEYER** Time: **11:40am** Printed Name: **Sutton** Time: **11/4**

RECEIVED BY: **---** Date: **---** Signature: **---**
 Signature: **---** Date: **---** Signature: **---**
 Printed Name: **---** Time: **---** Printed Name: **---** Time: **---**

Company: **MITCH CHARTER SCHOOL** Company: **Apex**

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Lisa Domenighini

Lisa Domenighini, Client Services Manager

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Project: **Lead in Drinking Water**

Project Number: [none]
Project Manager: Melissa Meyer

Reported:
10/07/16 16:29

Lab # AD10642 COC 2 of 2

CHAIN OF CUSTODY

APEX LABS

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Company: MITCH CHARTER SCHOOL Project Mgr: MELISSA MEYER Project Name: --- PO# ---
Address: 19550 SW 90th Court Tualatin 97062 Phone: 503.639.5757 Email: school.office@mitchcharter.org

Sampled by: ---

LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	YES	NO
1	9/20	6:05 am	POOL SCIENCE LAB			
2	9/20	6:05 am	POOL West Fountain A			
3	9/20	6:05 am	POOL West Fountain B			
4						
5						
6						
7						
8						
9						
10						

ANALYSIS REQUEST

1200-Z	
1200-COLS	
TOTAL DISS TCLP	
Zn	
Hg	
Ag	
Ni	
Cr	
Mn	
Pb	
Cd	
As	
Se	
Ca	
Co	
Cu	
Fe	
Mg	
Na	
NO ₃	
NO ₂	
SO ₄	
TCLP Metals (9)	
RCA Metals (8)	
600 TTO	
8082 PCBs	
8270 SIM PAHs	
8270 SVOC	
8260 BTEX VOCs	
8260 HVOCS	
8260 RBDN VOCs	
8260 VOCS Full List	
NWTPH-Gx	
NWTPH-Dx	
NWTPH-HCID	

SPECIAL INSTRUCTIONS: DW PB

RELINQUISHED BY: Melissa Meyer Signature: [Signature] Date: 9/20
Printed Name: MELISSA MEYER Time: 11:14

RECEIVED BY: [Signature] Signature: [Signature] Date: 9/20
Printed Name: [Signature] Time: 11:14

Company: MITCH CHARTER SCHOOL Company: Apex

Apex Laboratories

Lisa Domenighini

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