



**Apex Laboratories, LLC**

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

Wednesday, July 17, 2019

Robyn Stolin  
Hope Charter School  
3500 SW 104th Ave  
Beaverton, OR 97005

RE: A9G0096 - Lead Paint - [none]

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 A9G0096, which was received by the laboratory on 7/3/2019 at 8:40:00AM.

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

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

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Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1            22.0 degC

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This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.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.

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Lisa Domenighini, Client Services Manager



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<b>Hope Charter School</b> 3500 SW 104th Ave Beaverton, OR 97005	Project: <b>Lead Paint</b> Project Number: [none] Project Manager: <b>Robyn Stolin</b>	<b>Report ID:</b> A9G0096 - 07 17 19 1132
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**ANALYTICAL REPORT FOR SAMPLES**

**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
East Wall Paint	A9G0096-01	Paint Chip	07/03/19 08:00	07/03/19 08:40

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**ANALYTICAL SAMPLE RESULTS**

**Total Metals by EPA 6020A (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>East Wall Paint (A9G0096-01)</b>		<b>Matrix: Paint Chip</b>						
Batch: 9070663								
Lead	ND	---	5.95	mg/kg	10	07/10/19 00:42	EPA 6020A	

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<b>Hope Charter School</b>	Project: <b>Lead Paint</b>	
3500 SW 104th Ave	Project Number: [none]	<b>Report ID:</b>
Beaverton, OR 97005	Project Manager: <b>Robyn Stolin</b>	<b>A9G0096 - 07 17 19 1132</b>

**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Total Metals by EPA 6020A (ICPMS)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 9070663 - EPA 3051A (Paint Chip)</b>						<b>Paint Chip</b>						
<b>Blank (9070663-BLK1)</b>		Prepared: 07/05/19 14:14 Analyzed: 07/10/19 00:33										
<u>EPA 6020A</u>												
Lead	ND	---	5.00	mg/kg	10	---	---	---	---	---	---	
<b>LCS (9070663-BS1)</b>		Prepared: 07/05/19 14:14 Analyzed: 07/10/19 00:38										
<u>EPA 6020A</u>												
Lead	250	---	5.00	mg/kg	10	250	---	100	80 - 120%	---	---	
<b>Duplicate (9070663-DUP1)</b>		Prepared: 07/05/19 14:14 Analyzed: 07/10/19 00:47										
<u>QC Source Sample: East Wall Paint (A9G0096-01)</u>												
<u>EPA 6020A</u>												
Lead	ND	---	5.49	mg/kg	10	---	4.82	---	---	***	40%	
<b>Matrix Spike (9070663-MS1)</b>		Prepared: 07/05/19 14:14 Analyzed: 07/10/19 00:51										
<u>QC Source Sample: East Wall Paint (A9G0096-01)</u>												
<u>EPA 6020A</u>												
Lead	314	---	6.02	mg/kg	10	301	4.82	103	75 - 125%	---	---	



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**SAMPLE PREPARATION INFORMATION**

**Total Metals by EPA 6020A (ICPMS)**

Prep: EPA 3051A (Paint Chip)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 9070663</u>							
A9G0096-01	Paint Chip	EPA 6020A	07/03/19 08:00	07/05/19 14:14	0.084g/50mL	0.1g/50mL	1.19

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**QUALIFIER DEFINITIONS**

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

There are No Qualifiers on Sample or QC Data for this report

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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 1/2 the Reporting Limit (RL).  
-For Blank hits falling between 1/2 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
<u>All reported analytes are included in Apex Laboratories' current ORELAP scope.</u>					

**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 provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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 3500 SW 104th Ave Project Number: [none]  
 Beaverton, OR 97005 Project Manager: Robyn Stolin **Report ID: A9G0096 - 07 17 19 1132**

**CHAIN OF CUSTODY**

**APEX LABS** 6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323  
 Lab # A9G0096 COC # \_\_\_\_\_ of \_\_\_\_\_

Company: Hope Chinese Charter School Project Mgr: Robyn Stolin Project Name: east wall paint  
 Address: 3500 SW 104th Ave Beaverton, OR 97005 Phone: 503-705-2077 Email: robyn.stolin@hccs.or.gov  
 Sampled by: Robyn Stolin

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, Cr, Cu, Fe, Hg, Mn, Ni, Pb, Se, Sr, Tl, U, Zn	TCLP Metals (8)	TOTAL DISS. TCLP	Archive	
	7/17/19	8:00am																				

ANALYSIS REQUEST: \_\_\_\_\_  
 TAT Requested (circle) 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: \_\_\_\_\_  
 Normal Turn Around Time (TAT) = 10 Business Days

**SPECIAL INSTRUCTIONS:** \_\_\_\_\_

<b>RELINQUISHED BY:</b> Signature: <u>[Signature]</u> Date: _____ Printed Name: <u>Robyn Stolin</u> Time: <u>6:40 am</u> Company: <u>Hope Chinese Charter School</u>	<b>RECEIVED BY:</b> Signature: <u>[Signature]</u> Date: _____ Printed Name: <u>[Name]</u> Time: <u>8:40</u> Company: <u>Apex</u>
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*Lisa Domenighini*



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**APEX LABS COOLER RECEIPT FORM**

Client: Hope Chinese Charter School Element WO#: A9 60096

Project/Project #: east wall paint

**Delivery Info:**  
Date/time received: 7/3/19 @ 8:40 By: MS  
Delivered by: Apex  Client  ESS  FedEx  UPS  Swift  Senvoy  SDS  Other

**Cooler Inspection** Date/time inspected: 7/3/19 @ 8:40 By: MS

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

Signed/dated by client? Yes  No

Signed/dated by Apex? Yes  No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>22.0</u>						
Received on ice? (Y/N)	<u>N</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>None</u>						
Condition:	<u>out</u>						

Cooler out of temp?  (Y/N) Possible reason why: Pb Metal/Paint chips

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: 7/3/19 @ 9:55 By: MS

All samples intact? Yes  No  Comments: \_\_\_\_\_

Bottle labels/COCs agree? Yes  No  Comments: No TID on cont.

COC/container discrepancies form initiated? Yes  No  NA

Containers/volumes received appropriate for analysis? Yes  No  Comments: \_\_\_\_\_

Do VOA vials have visible headspace? Yes  No  NA

Comments: \_\_\_\_\_

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

Comments: \_\_\_\_\_

**Additional information:** \_\_\_\_\_

Labeled by: MS Witness: AKK Cooler Inspected by: Client/No cooler See Project Contact Form: Y