

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Attn.: Anthony Fullerton

Client: Med-Tox, Northwest

Address: PO Box 1446, Auburn, WA 98071-1446

Job#: 8842.1

Batch#: 201911092

Date Received: 6/27/2019

Samples Rec'd: 31

Date Analyzed: 7/3/2019

Samples Analyzed: 31

rev code: MPm924

Project Loc.: 2306 11th Street, Tacoma, WA

Analyzed by: Yajun Gao

Reviewed by: Steve (Fanyao) Zhang, President

9	8842.1-2306-09	3	Off-white chalky material with paint and paper	None detected	Binder/filler, Gypsum/binder, Paint	30	Cellulose
10	8842.1-2306-10 Composite result <1%	1	Trace off-white powdery material with paint	2 Chrysotile	Binder/filler, Paint	4	Cellulose
		2	Off-white chalky material with paper	None detected	Binder/filler, Gypsum/binder	25	Cellulose
11	8842.1-2306-11 Composite result <1%	1	Trace off-white powdery material with paint	2 Chrysotile	Binder/filler, Paint	5	Cellulose
		2	Off-white chalky material with paper	None detected	Binder/filler, Gypsum/binder	24	Cellulose
12	8842.1-2306-12	1	Brown fibrous material with white paint	None detected	Filler, Paint	90	Cellulose
13	8842.1-2306-13	1	Brown fibrous material with white paint	None detected	Filler, Paint	92	Cellulose
14	8842.1-2306-14	1	Brown mastic with paper and trace paint	3 Chrysotile	Mastic/binder, Paint	18	Cellulose
15	8842.1-2306-15	1	Brown mastic with paper and paint	3 Chrysotile	Mastic/binder, Paint	15	Cellulose
16	8842.1-2306-16	1	White soft/elastic material	None detected	Binder, Filler	4	Cellulose
		2	Gray sandy/brittle material	None detected	Sand, Filler, Binder	3	Cellulose
17	8842.1-2306-17	1	White soft/elastic material	None detected	Binder, Filler	3	Cellulose
		2	Brown/tan wood block	None detected	Wood aggregates	5	Cellulose
18	8842.1-2306-18	1	Dark gray soft/elastic material with debris	None detected	Binder, Filler, Debris	3	Cellulose
19	8842.1-2306-19	1	Dark gray soft/elastic material	None detected	Binder, Filler	2	Cellulose
20	8842.1-2306-20	1	Red hard sandy/brittle material	None detected	Sand, Filler, Cement/binder	3	Cellulose
		2	White sandy/brittle material	None detected	Sand, Filler, Binder	2	Cellulose
21	8842.1-2306-21	1	Red hard sandy/brittle material	None detected	Sand, Filler, Cement/binder	3	Cellulose
		2	White sandy/brittle material	None detected	Sand, Filler, Binder	3	Cellulose
22	8842.1-2306-22	1	Off-white hard sandy/brittle material	None detected	Sand, Filler, Cement/binder	2	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Attn.: Anthony Fullerton

Client: Med-Tox, Northwest

Address: PO Box 1446, Auburn, WA 98071-1446

Job#: 8842.1

Batch#: 201911092

Date Received: 6/27/2019

Samples Rec'd: 31

Date Analyzed: 7/3/2019

Samples Analyzed: 31

rev code: MPm924

Project Loc.: 2306 11th Street, Tacoma, WA

Analyzed by: Yajun Gao

Reviewed by: Steve (Fanyao) Zhang, President

22	8842.1-2306-22	2	Gray sandy/brittle material	None detected	Sand, Filler, Binder	3	Cellulose
23	8842.1-2306-23	1	Off-white hard sandy/brittle material	None detected	Sand, Filler, Cement/binder	2	Cellulose
		2	Gray sandy/brittle material	None detected	Sand, Filler, Binder	2	Cellulose
24	8842.1-2306-24	1	Black brittle material	None detected	Filler, Binder	2	Cellulose
25	8842.1-2306-25	1	Black soft/elastic material	None detected	Binder, Filler	4	Cellulose
26	8842.1-2306-26	1	Black asphaltic material	None detected	Asphalt/binder	3	Glass fibers
27	8842.1-2306-27	1	Black asphaltic material	None detected	Asphalt/binder	2	Glass fibers
28	8842.1-2306-28	1	Black asphaltic material	None detected	Asphalt/binder	2	Cellulose
		2	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	55	Cellulose
		3	Black asphaltic material	None detected	Asphalt/binder	2	Cellulose
		4	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	28	Glass fibers, Cellulose
		5	Black asphaltic material	None detected	Asphalt/binder	3	Cellulose
		6	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	25	Glass fibers, Cellulose
		7	Brown fibrous material	None detected	Binder, Filler, Perlite	85	Cellulose
29	8842.1-2306-29	1	Black asphaltic material	None detected	Asphalt/binder	2	Cellulose
		2	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	50	Cellulose
		3	Black asphaltic material	None detected	Asphalt/binder	2	Cellulose
		4	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	55	Cellulose
		5	Black asphaltic material	None detected	Asphalt/binder	3	Cellulose
		6	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	28	Glass fibers, Cellulose
		7	Brown fibrous material	None detected	Binder, Filler, Perlite	88	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Attn.: Anthony Fullerton

Client: Med-Tox, Northwest

Address: PO Box 1446, Auburn, WA 98071-1446

Job#: 8842.1

Batch#: 201911092

Date Received: 6/27/2019

Samples Rec'd: 31

Date Analyzed: 7/3/2019

Samples Analyzed: 31

rev code: MPm924

Project Loc.: 2306 11th Street, Tacoma, WA

Analyzed by: Yajun Gao

Reviewed by: Steve (Fanyao) Zhang, President

30	8842.1-2306-30	1	Black asphaltic material	None detected	Asphalt/binder	2	Cellulose
		2	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	25	Synthetic fibers, Cellulose
		3	Black asphaltic material	None detected	Asphalt/binder	2	Cellulose
		4	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	30	Glass fibers, Cellulose
		5	Black asphaltic material with wood block	None detected	Wood aggregates, Asphalt/binder	3	Cellulose
31	8842.1-2306-31	1	Black asphaltic material	None detected	Asphalt/binder	2	Cellulose
		2	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	24	Synthetic fibers, Cellulose
		3	Black asphaltic material	None detected	Asphalt/binder	3	Cellulose
		4	Black asphaltic material with fibrous material	None detected	Asphalt/binder, Filler	28	Glass fibers, Cellulose
		5	Black asphaltic material with wood block	None detected	Wood aggregates, Asphalt/binder	2	Cellulose

WSP/ Port of Tacoma
2306 11th Street, Tacoma, WA
Hazardous Building Materials Survey



Appendix F

Analytical Reports- Lead

**EMSL Analytical, Inc.**

6340 CastlePlace Dr., Indianapolis, IN 46250

Phone/Fax: (317) 803-2997 / (317) 803-3047

<http://www.EMSL.com>indianapolislab@emsl.com

EMSL Order: 161912740

CustomerID: MEDT50

CustomerPO:

ProjectID:

Attn: **Anthony Fullerton**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Phone: (253) 351-0677
Fax: (253) 351-0688
Received: 06/28/19 9:00 AM
Collected: 6/27/2019

Project: **8842.1****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client SampleDescription</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>RDL</i>	<i>Lead Concentration</i>
8842.12306-01Pb 161912740-0001	6/27/2019	7/3/2019	0.236 g	0.0085 % wt	<0.0085 % wt
Site: THROUGHOUT 2306 / WALLS AND FRAMING / WOOD / BROWN					
8842.12306-02Pb 161912740-0002	6/27/2019	7/3/2019	0.2212 g	0.0090 % wt	0.017 % wt
Site: WEST WALL / WALL / WOOD / GREEN					
8842.12306-03Pb 161912740-0003	6/27/2019	7/3/2019	0.2237 g	0.0089 % wt	0.015 % wt
Site: OFFICE WALLS / WALL / GWB / TAN					
8842.12306-04Pb 161912740-0004	6/27/2019	7/3/2019	0.2333 g	0.0086 % wt	0.19 % wt
Site: NORTH WALL / WALL / WOOD / WHITE					
8842.12306-05Pb 161912740-0005	6/27/2019	7/3/2019	0.2345 g	0.0085 % wt	<0.0085 % wt
Site: CENTER OF 2306 / FLOOR / CONCRETE / YELLOW					

Doug Wiegand, Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN AIHA-LAP, LLC--ELLAP 157245, OH E10040

Initial report from 07/08/2019 08:10:55

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Chain of Custody

EMSL Order Number (Lab Use Only):

161912740

PHONE
FAX:

Company: Med-Tox NW		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: P.O.BOX 1446		Third Party Billing requires written authorization from third party	
City: Auburn	State/Province: WA	Zip/Postal Code: 98071	Country: USA
Report To (Name): Anthony Fullerton		Telephone #: 253.351.0677	
Email Address: fullertona@medtoxnw.com		Fax #: 253.351.0688	Purchase Order:
Project Name/Number: 8842 1		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: 5		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability Not all TAT options are valid for every test. Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)</small>			
Asbestos			
PCM - Air <input type="checkbox"/> NIOSH 7400 w/ 8hr. TWA TEM - Air <input type="checkbox"/> 4-4.5hr TAT(AHERA ONLY) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Water Fibers $\geq 10\mu m$ <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking		PLM - Bulk <input type="checkbox"/> PLM EPA 600/R-93/116 <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> NYS 198.1 (friable-NY) <input type="checkbox"/> NYS 198.6 (non-friable-NY) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/ Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe-ASTM D6480	
Flame Atomic Absorption <input checked="" type="checkbox"/> Chips SW846-7000B or AOAC 974.02 <input type="checkbox"/> Soil SW846-7000B/7420 <input type="checkbox"/> Air NIOSH 7082 <input type="checkbox"/> Wastewater SM3111B or SW846-7000B/7420 <input type="checkbox"/> ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> non ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> TCLP SW846-1311/7420/SM 3111B Graphite Furnace Atomic Absorption <input type="checkbox"/> Soil SW846-7421 <input type="checkbox"/> Wastewater EPA 200.9 <input type="checkbox"/> Air NIOSH 7105 <input type="checkbox"/> Drinking Water EPA 200.9		ICP <input type="checkbox"/> Air NIOSH 7300 Modified <input type="checkbox"/> non ASTM Wipe SW846-6010B or C <input type="checkbox"/> ASTM Wipe SW846-6010B or C <input type="checkbox"/> Soil SW846-6010 B or C <input type="checkbox"/> Waste Water SW846-6010B or C <input type="checkbox"/> TCLP SW846-6010B or C Other: <input type="checkbox"/>	
Microbiology			
Wipe and Bulk Samples <input type="checkbox"/> Mold & Fungi - Direct Examination <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi Culture (Genus & Species) <input type="checkbox"/> Bacterial Count & ID (Up to Three Types) <input type="checkbox"/> Bacterial Count & ID (Up to Five Types) <input type="checkbox"/> MRSA <input type="checkbox"/> <i>Pseudomonas aeruginosa</i> Water Samples <input type="checkbox"/> Total Coliform & E.coli (P/A) <input type="checkbox"/> Fecal Coliform (SM 9222D) <input type="checkbox"/> Sewage Screen <input type="checkbox"/> Heterotrophic Plate Count (SM 9215)		Air Samples <input type="checkbox"/> Mold & Fungi (Spore Trap) <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi (Genus & Species) <input type="checkbox"/> Bacterial Culture & ID (Up to Three Types) <input type="checkbox"/> Bacterial Culture & ID (Up to Five Types) <input type="checkbox"/> Endotoxin Testing Real Time Q-PCR (See Analytical Guide for Code) Code: _____ Legionella <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other: <input type="checkbox"/>	
**Comments/Special Instructions: Please see the attached table			
Client Sample #'s		Total # of Samples: 5	
Relinquished (Client): <i>[Signature]</i>		Date: 6/21/19	
Received (Lab): <i>[Signature]</i>		Date: 6/28/19	
		Time: 1050	
		Time: 900 AM	

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

Controlled Document-OneChain-R3-11/8/2011

161912740

Table . Summary of Bulk Paint Chip Sample Results.

Sample Number	Location	Component	Substrate	Color	Result (%wt*)
2306 11th Street					
8842.1-2306-01Pb	Throughout 2306	Walls and framing	Wood	Brown	
8842.1-2306-02Pb	West wall	Wall	Wood	Green	
8842.1-2306-03Pb	Office walls	Wall	GWB	Tan	
8842.1-2306-04Pb	North wall	Wall	Wood	White	
8842.1-2306-05Pb	Center of 2306	Floor	Concrete	Yellow	

%wt = percent by weight.

**EMSL Analytical, Inc.**

6340 CastlePlace Dr., Indianapolis, IN 46250

Phone/Fax: (317) 803-2997 / (317) 803-3047

<http://www.EMSL.com>indianapolislab@emsl.com

EMSL Order: 161912760

CustomerID: MEDT50

CustomerPO:

ProjectID:

Attn: **Anthony Fullerton**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Phone: (253) 351-0677
Fax: (253) 351-0688
Received: 06/28/19 9:00 AM
Collected:

Project: **8842.1 / 2306****Test Report: Toxicity Characteristic Leachate Procedure (1311/7000B)**

<i>Client SampleDescription</i>	<i>Collected</i>	<i>Analyzed</i>	<i>RDL</i>	<i>Lead Concentration</i>
8842.1-2306-01TCLP		7/3/2019	0.40 mg/L	<0.40 mg/L
161912760-0001	Site: PAINTED/UNPAINTED BLDG MATERIALS			

Doug Wiegand, Laboratory Manager
or other approved signatory

This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN

Initial report from 07/08/2019 09:00:10



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only)

161912760

EMSL Analytical, Inc.
2235 Polvorosa Avenue
Suite 230
San Leandro, CA 94577
PHONE: (510) 895-3675
FAX: (510) 895-3680

Company: Med-Tox Northwest		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same If Bill to is Different note instructions in Comments**	
Street: PO Box 1446		Third Party Billing requires written authorization from third party	
City: Auburn	State/Province: WA	Zip/Postal Code: 98071-1446	Country: United States
Report To (Name): Anthony Fullerton		Telephone #: 2533510677	
Email Address: fullertona@medtoxnw.com		Fax #:	Purchase Order:
Project Name/Number: 8842.1 / 2306		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: WA		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour
<input type="checkbox"/> 72 Hour	<input type="checkbox"/> 96 Hour	<input checked="" type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Week
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	1.0 µg/wipe
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter
Other:			
Name of Sampler: Kim Riche		Signature of Sampler: <i>[Signature]</i>	
Sample #	Location	Volume/Area	Date/Time Sampled
8842.1-2306-01TCLP	Painted/Unpainted Bldg Materials		
Client Sample #'s	-8842.1-2306-01TCLP	Total # of Samples:	1
Relinquished (Client): <i>[Signature]</i>	Date: 6/27/19	Time: 1600	
Received (Lab): <i>[Signature]</i>	Date: 6/28/19	Time: 900	<i>[Signature]</i>
Comments:			

Appendix G

EMSL Analytical, Inc. Laboratory

Certifications



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

6340 Castleplace Drive, Indianapolis, IN 46250

Laboratory ID: 157245

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- ✓ **INDUSTRIAL HYGIENE**
- ✓ **ENVIRONMENTAL LEAD**
- ✓ **ENVIRONMENTAL MICROBIOLOGY**
- ☐ **FOOD**
- ☐ **UNIQUE SCOPES**

Accreditation Expires: June 01, 2019

Accreditation Expires: June 01, 2019

Accreditation Expires: June 01, 2019

Accreditation Expires:

Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

William Walsh, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 05/31/2017



AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

EMSL Analytical, Inc.

6340 Castleplace Drive, Indianapolis, IN 46250

Laboratory ID: **157245**

Issue Date: 05/31/2017

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 09/01/2002

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description (for internal methods only)
Paint		EPA SW-846 3050B	
		EPA SW-846 3051A	
		EPA SW-846 7000B	
Soil		EPA SW-846 3050B	
		EPA SW-846 3051A	
		EPA SW-846 7000B	
Settled Dust by Wipe		EPA SW-846 3050B	
		EPA SW-846 3051A	
		EPA SW-846 7000B	
Airborne Dust		NIOSH 7082	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

WSP/ Port of Tacoma
2306 11th Street, Tacoma, WA
Hazardous Building Materials Survey



Appendix H

Analytical Report- PCB



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 9, 2019

Anthony Fullerton
MED-TOX
P.O. Box 1146
Auburn, WA 98071

Re: Analytical Data for Project 8842.1
Laboratory Reference No. 1906-320

Dear Anthony:

Enclosed are the analytical results and associated quality control data for samples submitted on June 28, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 9, 2019
Samples Submitted: June 28, 2019
Laboratory Reference: 1906-320
Project: 8842.1

Case Narrative

Samples were collected on June 26, 2019 and received by the laboratory on June 28, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: July 9, 2019
 Samples Submitted: June 28, 2019
 Laboratory Reference: 1906-320
 Project: 8842.1

PCBs EPA 8082A

Matrix: Solid
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: 8842.1-2306-01 PCB						
Laboratory ID:	06-320-01					
Aroclor 1016	ND	2.1	EPA 8082A	7-8-19	7-9-19	
Aroclor 1221	ND	2.1	EPA 8082A	7-8-19	7-9-19	
Aroclor 1232	ND	2.1	EPA 8082A	7-8-19	7-9-19	
Aroclor 1242	ND	2.1	EPA 8082A	7-8-19	7-9-19	
Aroclor 1248	ND	2.1	EPA 8082A	7-8-19	7-9-19	
Aroclor 1254	4.7	2.1	EPA 8082A	7-8-19	7-9-19	
Aroclor 1260	3.6	2.1	EPA 8082A	7-8-19	7-9-19	
Surrogate:	Percent Recovery	Control Limits				
DCB	50	37-122				
Client ID: 8842.1-2306-02 PCB						
Laboratory ID:	06-320-02					
Aroclor 1016	ND	2.2	EPA 8082A	7-8-19	7-9-19	
Aroclor 1221	ND	2.2	EPA 8082A	7-8-19	7-9-19	
Aroclor 1232	ND	2.2	EPA 8082A	7-8-19	7-9-19	
Aroclor 1242	ND	2.2	EPA 8082A	7-8-19	7-9-19	
Aroclor 1248	ND	2.2	EPA 8082A	7-8-19	7-9-19	
Aroclor 1254	ND	2.2	EPA 8082A	7-8-19	7-9-19	
Aroclor 1260	ND	2.2	EPA 8082A	7-8-19	7-9-19	
Surrogate:	Percent Recovery	Control Limits				
DCB	70	37-122				
Client ID: 8842.1-2306-03 PCB						
Laboratory ID:	06-320-03					
Aroclor 1016	ND	2.6	EPA 8082A	7-8-19	7-9-19	
Aroclor 1221	ND	2.6	EPA 8082A	7-8-19	7-9-19	
Aroclor 1232	ND	2.6	EPA 8082A	7-8-19	7-9-19	
Aroclor 1242	ND	2.6	EPA 8082A	7-8-19	7-9-19	
Aroclor 1248	ND	2.6	EPA 8082A	7-8-19	7-9-19	
Aroclor 1254	ND	2.6	EPA 8082A	7-8-19	7-9-19	
Aroclor 1260	ND	2.6	EPA 8082A	7-8-19	7-9-19	
Surrogate:	Percent Recovery	Control Limits				
DCB	58	37-122				



Date of Report: July 9, 2019
 Samples Submitted: June 28, 2019
 Laboratory Reference: 1906-320
 Project: 8842.1

PCBs EPA 8082A

Matrix: Solid
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	8842.1-2306-04 PCB					
Laboratory ID:	06-320-04					
Aroclor 1016	ND	2.0	EPA 8082A	7-8-19	7-9-19	
Aroclor 1221	ND	2.0	EPA 8082A	7-8-19	7-9-19	
Aroclor 1232	ND	2.0	EPA 8082A	7-8-19	7-9-19	
Aroclor 1242	ND	2.0	EPA 8082A	7-8-19	7-9-19	
Aroclor 1248	ND	2.0	EPA 8082A	7-8-19	7-9-19	
Aroclor 1254	ND	2.0	EPA 8082A	7-8-19	7-9-19	
Aroclor 1260	ND	2.0	EPA 8082A	7-8-19	7-9-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	69	37-122				



Date of Report: July 9, 2019
 Samples Submitted: June 28, 2019
 Laboratory Reference: 1906-320
 Project: 8842.1

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Solid
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0708S2					
Aroclor 1016	ND	0.050	EPA 8082A	7-8-19	7-8-19	
Aroclor 1221	ND	0.050	EPA 8082A	7-8-19	7-8-19	
Aroclor 1232	ND	0.050	EPA 8082A	7-8-19	7-8-19	
Aroclor 1242	ND	0.050	EPA 8082A	7-8-19	7-8-19	
Aroclor 1248	ND	0.050	EPA 8082A	7-8-19	7-8-19	
Aroclor 1254	ND	0.050	EPA 8082A	7-8-19	7-8-19	
Aroclor 1260	ND	0.050	EPA 8082A	7-8-19	7-8-19	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	37-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0708S2										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.471	0.435	0.500	0.500	N/A	94	87	49-120	8	18	
Surrogate:											
DCB						100	93	37-122			





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1[illegible]

WSP/ Port of Tacoma
2306 11th Street, Tacoma, WA
Hazardous Building Materials Survey



Appendix I

On-Site Environmental, Inc. Laboratory Certification

The State of
Department



Washington
of Ecology

OnSite Environmental, Inc.
Redmond, WA

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective July 27, 2017 and shall expire July 26, 2018.

Witnessed under my hand on July 31, 2017

Alan D. Rue
Lab Accreditation Unit Supervisor

Laboratory ID
C591

WSP/ Port of Tacoma
2306 11th Street, Tacoma, WA
Hazardous Building Materials Survey



Appendix J

Sample Location Drawing
