

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

Yun
Analyzed by: Yun Gao

Reviewed by: Steve (Fanyao) Zhang, President
S. Zhang

Sample ID	Sample Description	Sample Part	Asbestos Type	Asbestos Content	Matrix	Cellulose Content	Comments
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

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ANALYTICAL LABORATORY REPORT

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

Attn.: Anthony Fullerton
Job#: 8842.1

Client: Med-Tox, Northwest
Batch#: 201911092

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

Samples Rec'd: 31

Date Analyzed: 7/3/2019

Date Received: 6/27/2019

Samples Analyzed: 31

rev code: MPm924

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

Analyzed by: Yajun Gao

Reviewed by: Steve (Fanyao) Zhang, President

S. Zhang

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

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

Attn.: Anthony Fullerton

Job#: 8842.1

Samples Rec'd: 31

Client: Med-Tox, Northwest

Batch#: 201911092

Date Analyzed: 7/3/2019

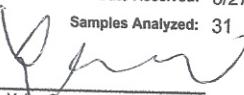
Address: PO Box 1446, Auburn, WA 98071-1446

Date Received: 6/27/2019

Samples Analyzed: 31

rev code: MPm924

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

Analyzed by: 
Yajun Gao

Reviewed by: Steve (Fanyao) Zhang, President


Sample ID	Job ID	Sample Description	None detected	Material Type	Count	Category
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

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

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 If Bill to is Different note instructions in Comments**	
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

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*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)

Asbestos

PCM - Air	PLM - Bulk	TEM - Bulk
<input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> 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	<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%)	<input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> EPA Reg. 1 Screening Protocol (Qualitative)
TEM - Water	TEM - Dust	Other:
Fibers >10µm All Fiber Sizes	<input type="checkbox"/> Waste <input type="checkbox"/> Drinking <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	Microvac - ASTM D 5755 Wipe-ASTM D6480

Lead (Pb)

Flame Atomic Absorption	ICP	Materials Science
<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	<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	<input type="checkbox"/> Common Particle ID (large particles) <input type="checkbox"/> Full Particle ID (environmental dust) <input type="checkbox"/> Basic Material ID (solids) <input type="checkbox"/> Advanced Material ID <input type="checkbox"/> Physical Testing (Tensile, Compression) <input type="checkbox"/> Combustion-by-products (soot, char, etc.) <input type="checkbox"/> X-Ray Fluorescence (elem. analysis) <input type="checkbox"/> X-Ray Diffraction (Crystalline Part.) <input type="checkbox"/> MMVF's (Fibrous glass, RCF's) <input type="checkbox"/> Particle Size (sieve/microscopy/laser) <input type="checkbox"/> Combustible Dust <input type="checkbox"/> Petrographic Examination
Graphite Furnace Atomic Absorption	Other: <input type="checkbox"/>	Other: <input type="checkbox"/>
<input type="checkbox"/> Soil SW846-7421 <input type="checkbox"/> Air NIOSH 7105	Wastewater EPA 200.9 Drinking Water EPA 200.9	

Microbiology

Wipe and Bulk Samples	Air Samples	IAQ
<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"/> Pseudomonas aeruginosa	<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	Nuisance Dust NIOSH <input type="checkbox"/> 0500 <input type="checkbox"/> 0600 Airborne Dust <input type="checkbox"/> PM10 <input type="checkbox"/> TSP Silica Analysis: <input type="checkbox"/> All Species Silica Analysis - Single Species <input type="checkbox"/> Alpha Quartz <input type="checkbox"/> Cristobalite <input type="checkbox"/> Tridymite <input type="checkbox"/> HVAC Efficiency <input type="checkbox"/> Carbon Black <input type="checkbox"/> Airborne Oil Mist
Water Samples	Real Time Q-PCR (See Analytical Guide for Code) Code: <input type="checkbox"/>	Radon Testing: Call for Kit and COC Other: <input type="checkbox"/>
<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)	<input type="checkbox"/> 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>TL</i>	Date: 6/21/19	Time: 1050
Received (Lab): <i>13Buna</i>	Date: 6/28/19	Time: 9020ff

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

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>

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 Sample Description</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 #: <input type="checkbox"/>	
Project Name/Number: 8842.1 / 2306		Purchase Order: <input type="checkbox"/> 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

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* *if no box is checked, non-ASTM Wipe is assumed	ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/>	SW846-7000B	10 µg/wipe	<input type="checkbox"/>
		SW846-6010B or C	1.0 µg/wipe	<input type="checkbox"/>
		SW846-7000B/7010	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input checked="" type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Preserved with HNO ₃ pH < 2	Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	0.4 mg/L (ppm)	<input type="checkbox"/>
		EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
		EPA 200.7	ICP-AES	0.020 mg/L (ppm)
Drinking Water Preserved with HNO ₃ pH < 2	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	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler: Kim Riche

Signature of Sampler:

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):

Date: 6/27/19

Time: 600

Received (Lab):

Date: 6/28/19

Time: 900 AM

Comments:

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



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

<input checked="" type="checkbox"/> INDUSTRIAL HYGIENE	Accreditation Expires: June 01, 2019
<input checked="" type="checkbox"/> ENVIRONMENTAL LEAD	Accreditation Expires: June 01, 2019
<input checked="" type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: June 01, 2019
<input type="checkbox"/> FOOD	Accreditation Expires:
<input type="checkbox"/> UNIQUE SCOPES	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.

A handwritten signature in black ink, appearing to read "William Walsh".

William Walsh, CIH
Chairperson, Analytical Accreditation Board

Revision 15: 03/30/2016

A handwritten signature in black ink, appearing to read "Cheryl O. Morton".

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

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" followed by a stylized surname.

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.



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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	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
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	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
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	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	58		37-122			



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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>			
DCB	69		37-122			



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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	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
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
<i>Surrogate:</i>					100	93	37-122	
DCB								



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This report pertains to the samples analyzed in accordance with the chain of custody,
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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





OnSite Environmental Inc.

Analytical Laboratory Testing Services

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

Company: MTNW
Project Number: 8842.1
Project Name: 2306
Project Manager: Anthony Fullerton
Sampled by: Kim Rich

Chain of Custody

Page 1 of 1

Turnaround Request (In working days)		Laboratory Number: 06-320	
(Check One)			
<input type="checkbox"/> Same Day	<input type="checkbox"/> 1 Day		
<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days		
<input checked="" type="checkbox"/> Standard (7 Days) (TPH analysis 5 Days)			
<input type="checkbox"/> _____ (other)			
Date Sampled	Time Sampled	Matrix	Number of Containers
6/26/19	Solid	1	NWTPH-HCID
1	1	1	NWTPH-Gx/BTEX
6/26/19	1	1	NWTPH-Gx
			NWTPH-Dx [<input type="checkbox"/> Acid / SG Clean-up)
			Volatiles 8260C
			Halogenated Volatiles 8260C
			EDB EPA 8011 (Waters Only)
			Semivolatiles 8270D/SIM (with low-level PAHs)
			PAHs 8270D/SIM (low-level)
			PCBs 8032A
			Organochlorine Pesticides 8081B
			Organophosphorus Pesticides 8270D/SIM
			Chlorinated Acid Herbicides 8151A
			Total RCRA Metals
			Total MTCA Metals
			TCLP Metals
			HEM (oil and grease) 1664A
			% Moisture
Company	Date	Time	Comments/Special Instructions
MTNW 085	6/27/19	1050	
	6/28/19	1100	
			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Reviewed/Date	Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>		

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

A handwritten signature of Alan D. Rue.

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



Occupational and Environmental Health

Website: www.medtoxnw.com

Website: www.medtoxnw.com

Website: www.medtoxnw.com

Client WSP

Project No.

8842.1

Project 2306 11th St, Tacoma, wa

Dwg. Name Sample Layouts Drawing

Dwg. Name

Date 6/26/19

Block Scale 1/10" = 1'

