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INDUSTRIAL HYGIENE SERVICES
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June 24, 2015

Shimon Mizrahi
Rainier Commons LLC
918 S. Horton Street, Suite 1018
Seattle, WA 98134

Subject: Polychlorinated Biphenyl (PCB) Substrate Sampling
IPWP1 Close Out
Rainier Commons, LLC

Site Address: 3100 Airport Way S, Seattle, WA

NVL Project#: 2012-494

Dear Mr. Mizrahi:

Rainier Commons, LLC retained NVL Laboratories to conduct the sampling at their Old Rainier Brewery site located at 3100 Airport Way South, Seattle, Washington and this letter has been prepared to convey the results.

This report compiles the results of the PCB bulk material samples collected from the concrete and sandstone substrate materials on buildings 10, 11, and 13 pursuant to Condition 8 of the EPA's Risk Based Work Plan Approval for Rainier Commons.

All samples were collected pursuant to NVL's Substrate Sampling Plan (Exhibit 8 to Phase I IPWP) and all sampling protocols and procedures referenced therein.

NVL Labs conducted sampling pursuant to IPWP1 close out on five separate dates between December 1st, 2014, and January 30th, 2015, at the request of Rainier Commons LLC. Samples were collected from the concrete and sandstone substrate materials on the buildings to test for the presence of residual PCB's following work to remove PCB-containing paint coatings from the building.

Initial samples were collected prior to final clearance and approval of all work areas and prior to all "punchlist" work being performed. While these samples are not valid clearance samples the results are reported here as early, pre-clearance sample results, for information purposes only.

Sample results are compared against the substrate screening limit of 1ppm.

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4708 Aurora Avenue North | Seattle, WA 98103-6516

The below tables present the results of the substrate sampling.

Pre-Clearance Sampling				
Sampling Date	**Sample Number**	**Sampling Location**	**Substrate Type**	**Sample Results (PPM)**
8/4/14	8414MK-1	Building 13 West Elevation	Concrete	2.5
8/4/14	8414MK-2	Building 13 West Elevation	Concrete	2.5
8/4/14	8414MK-3	Building 13 South Elevation	Concrete	1.3
8/4/14	8414MK-4	Building 13 East Elevation	Concrete	ND
9/29/14	Bldg- 11West	Building 11 West Elevation	Concrete	2.9
9/29/14	Bldg- 13North	Building 13 North Elevation	Concrete	ND
10/9/14	10914-BULK-2	Building 10 West Elevation	Sandstone	4.3
ND = Non-Detect PPM = Parts per million or milligrams per kilogram (mg/kg)				

Post-Clearance Compliance Sampling				
Sampling Date	**Sample Number**	**Sampling Location**	**Substrate Type**	**Sample Results (PPM)**
12/1/14	12114-PCB-1	Bldg 11 West Elevation	Sandstone	1.1
12/1/14	12114-PCB-2	Building 13 North Elevation	Concrete	ND
1/30/15	13015-MG-N	Building 13 North Elevation	Concrete	<1
1/30/15	13015-MG-S	Building 13 South Elevation	Concrete	<0.99
1/30/15	13015-MG-E	Building 13 East Elevation	Concrete	<0.97
1/30/15	13015-MG-W	Building 13 West Elevation	Concrete	1.6
ND = Non-Detect PPM = Parts per million or milligrams per kilogram (mg/kg)				

Prepared By

Marcus Gladden
Industrial Hygienist
NVL Laboratories

Reviewed By

Munaf Khan
Project Manager
Laboratory Director / President

Attachments:
Laboratory Testing Reports, NVL Labs Batch No.
1501799
1421389
1418022
1417235
1413963

February 3, 2015

Mr. Munaf Khan

NVL Field Services Division
4708 Aurora Ave. N.
Seattle, 98103

Re: **NVL Batch 1501799.00**

Project Name/Number: 2012-494

Project location: 3100 Airport Way South Seattle, WA 98134

Dear Mr. Khan,

Enclosed please find test results for samples submitted to our laboratory for analysis. Preparation and analysis of these samples were conducted in accordance with published industry standards and methods specified on the attached analytical report.

The content of this package consists of the following:

-Case Narrative & Definition of Data Qualifiers
-Analytical Test Results
-Applicable QC Summary
-Client Chain-of-Custody (CoC)
-NVL Receiving Record

This report package contains a total of 11 pages of analytical test results along with customer COC and other related documents.

The report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client will be discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance, please contact us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure: Sample Results

Case Narrative:

The following summarizes samples received on date as shown on the accompanied Chain of custody by NVL Laboratories, Inc. from NVL Field Services Division for Project No. 2012-494. Samples were logged in for PCB analysis per client request using both customer sample ID's and laboratory assigned ID's as listed on the Chain-of-Custody (CoC). All samples as received were processed and analyzed within specified turnaround time without any abnormalities and deviations that may affect the analytical results. All quality control requirements were acceptable unless stated otherwise. The conditions of all samples were acceptable at time of receipt and all samples submitted with this batch were analyzed unless stated otherwise on the CoC.

Test Results are reported based on milligram per kilogram (mg/kg) for PCB samples as shown on the analytical reports.

Definition Appendix

Terms

% Rec	Percent recovery.
<	Below Reporting Limit(RL) or Limit of Quantitation(LoQ) of the instrument.
B	Blank contamination. The recorded results is associated with a contaminated blank.
DF	Dilution Factor
J	The reported concentration is an estimated value because something may be present in the sample that interfered with the analysis.
J1	The reported concentration is an estimated value because the laboratory control sample (LCS) is out of control limits.
J2	The reported concentration is an estimated value because the percent recovery for matrix spike is out of control limits.
J3	The reported concentration is an estimated value because the relative percent difference(RPD) for duplicate analysis is out of control limits.
J4	Percent recovery is outside of established control limits.
LCS	Laboratory Control Sample.
Limits	The upper and lower control limits for spike recoveries.
LOQ	Limit of quantitation(same as RL)
mg/kg	Milligrams per kilogram.
ND	Analyte not detected or below the reporting limit of the instrument or methodology
PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.

Definition Appendix

Terms

R	The data are not reliable due to possible contamination or loss of material during preparation or analysis. Re-sampling and reanalysis are necessary for verification.
RL	Reporting Limit. The minimum concentration that can be quantified under routine operating conditions.
RPD	Relative Percent Difference. The relative difference between duplicate results(matrix spike, blank spike, or samples duplicate) expressed as a percentage.
RPD Limit	The maximum RPD allowed for a set of duplicate measurements(see RPD).
SMI	Surrogate has matrix interference.
Spike Conc.	The measured concentration, in sample basis units, of a spiked sample.
SURR-ND	Surrogate was not detected due to matrix interference or dilution.
ug/m3	Micrograms per cubic meter.
ug/mL	Micrograms per milliliter
mg/Kg	milligram per kilogram

ORGANICS LABORATORY SERVICES

NVL LABS

Company NVL Field Services Division
Address 4708 Aurora Ave. N.
Seattle, WA 98103
Project Manager Mr. Marcus Gladden
Phone (206) 547-0100
cell (b) (6) 3

NVL Batch Number **1501799.00**
TAT 5 Days **AH** No
Rush TAT
Due Date 2/6/2015 **Time** 1:45 PM
Email marcus.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2012-494 **Project Location:** 3100 Airport Way S. Seattle, WA 98134

Subcategory Quantitative analysis
Item Code ORG-05 8082 PCB Aroclors <Bulk>

Total Number of Samples 4 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	15010069	13015-MG-N		A
2	15010070	13015-MG-S		A
3	15010071	13015-MG-E		A
4	15010072	13015-MG-W		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	1/30/15	1345
Analyzed by	Evelyn Ahnlm	Ahnlm	NVL	2/2/15	14:58
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Entered By: Fatima Khan Date: 1/30/2015 Time: 2:39 PM 1 of 1

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ANALYSIS REPORT

Polychlorinated Biphenyls by Gas Chromatography

Client	**NVL Field Services Division**	Samples Received*	**4**
SDG Number	**1501799.00**	Analyzed By	**Evelyn Ahulu**
Date Reported	**02/03/2015**	Samples Analyzed*	**4**
Project Number	**2012-494**	Analysis Method	**8082A**
Location	**3100 Airport Way South Seattle, WA 98134**	Preparation Method	**3546PR (PCB)**

* for this test only

Sample Number	**13015-MG-N**	Received	01/30/2015
Lab Sample ID	15010069	Matrix	Material
Initial Sample Size	2.0083 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	1.0	< 1.0	02/02/2015
Aroclor-1221	1.0	< 1.0	02/02/2015
Aroclor-1232	1.0	< 1.0	02/02/2015
Aroclor-1242	1.0	< 1.0	02/02/2015
Aroclor-1248	1.0	< 1.0	02/02/2015
Aroclor-1254	1.0	< 1.0	02/02/2015
Aroclor-1260	1.0	< 1.0	02/02/2015
PCBs, Total	**1.0**	**<1**	

Comments: Building 13 North Concrete

Sample Number	**13015-MG-S**	Received	01/30/2015
Lab Sample ID	15010070	Matrix	Material
Initial Sample Size	2.0194 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.99	< 0.99	02/02/2015
Aroclor-1221	0.99	< 0.99	02/02/2015
Aroclor-1232	0.99	< 0.99	02/02/2015
Aroclor-1242	0.99	< 0.99	02/02/2015
Aroclor-1248	0.99	< 0.99	02/02/2015
Aroclor-1254	0.99	< 0.99	02/02/2015
Aroclor-1260	0.99	< 0.99	02/02/2015
PCBs, Total	**0.99**	**<0.99**	

Comments: Building 13 South Concrete

ANALYSIS REPORT

Polychlorinated Biphenyls by Gas Chromatography

Sample Number	**13015-MG-E**	Received	01/30/2015
Lab Sample ID	15010071	Matrix	Material
Initial Sample Size	2.0587 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.97	< 0.97	02/02/2015
Aroclor-1221	0.97	< 0.97	02/02/2015
Aroclor-1232	0.97	< 0.97	02/02/2015
Aroclor-1242	0.97	< 0.97	02/02/2015
Aroclor-1248	0.97	< 0.97	02/02/2015
Aroclor-1254	0.97	< 0.97	02/02/2015
Aroclor-1260	0.97	< 0.97	02/02/2015
PCBs, Total	**0.97**	**<0.97**	

Comments: Building 13 East Concrete

Sample Number	**13015-MG-W**	Received	01/30/2015
Lab Sample ID	15010072	Matrix	Material
Initial Sample Size	2.0293 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.99	< 0.99	02/02/2015
Aroclor-1221	0.99	< 0.99	02/02/2015
Aroclor-1232	0.99	< 0.99	02/02/2015
Aroclor-1242	0.99	< 0.99	02/02/2015
Aroclor-1248	0.99	< 0.99	02/02/2015
Aroclor-1254	0.99	1.6	02/02/2015
Aroclor-1260	0.99	< 0.99	02/02/2015
PCBs, Total	**0.99**	**1.6**	

Comments: Building 13 West Concrete

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4708 Aurora Ave. N.
Seattle, WA 98103

Phone: 206 547-0100
Fax: 206 634-1936

Quality Control Results

Project Number:	**2012-494**	**SDG Number:**	**1501799**
		Project Manager:	**Munaf Khan**

QC Batch(es):	**Q251**	Analysis Method:	**8082A**
QC Batch Method:	3546PR (PCB)	Analysis Description:	Polychlorinated Biphenyls by Gas Chromatography
Preparation Date:	02/02/2015		

Blank: MB-1501799

Analyte	Blank Result	Units	DF	RL	Control Limit	Qualifiers
Aroclor-1016	ND	mg/Kg	1	1.0	1	
Aroclor-1221	ND	mg/Kg	1	1.0	1	
Aroclor-1232	ND	mg/Kg	1	1.0	1	
Aroclor-1242	ND	mg/Kg	1	1.0	1	
Aroclor-1248	ND	mg/Kg	1	1.0	1	
Aroclor-1254	ND	mg/Kg	1	1.0	1	
Aroclor-1260	ND	mg/Kg	1	1.0	1	
PCBs, Total	ND	mg/Kg	1	1.0	1	
Surrogates:				% Rec		
Tetrachloro-m-xylene			1	83	40-140	
Decachlorobiphenyl			1	97	40-140	

Lab Control Sample: MSPK-1501799

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers
Aroclor-1254	20.1	mg/Kg	1	20.0	101	40-140	
Surrogates:							
Tetrachloro-m-xylene			1		77	40-140	
Decachlorobiphenyl			1		103	40-140	

Lab Control Sample: LCS-1501799
Lab Control Sample Duplicate: LCS Dup-1501799

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	Limits	RPD	RPD Limit	Qualifiers
Aroclor-1016	14.2	mg/Kg	1	20.0	71	40-140			
	12.5			20.0	63	40-140	13	50	
Aroclor-1260	16.5	mg/Kg	1	20.0	83	40-140			
	18.2			20.0	91	40-140	10	50	
Surrogates:									
Tetrachloro-m-xylene			1		81	40-140			
					83	40-140			
Decachlorobiphenyl			1		104	40-140			
					87	40-140			

NVL Laboratories, Inc.

Surrogate Recovery Summary Report

Client NVL Field Services Division **SDG Number** 1501799

Project 2012-494

Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
13015-MG-N	15010069	Decachlorobiphenyl	98%	40-140
13015-MG-N	15010069	Tetrachloro-m-xylene	68%	40-140
13015-MG-S	15010070	Decachlorobiphenyl	95%	40-140
13015-MG-S	15010070	Tetrachloro-m-xylene	72%	40-140
13015-MG-E	15010071	Decachlorobiphenyl	96%	40-140
13015-MG-E	15010071	Tetrachloro-m-xylene	87%	40-140
13015-MG-W	15010072	Decachlorobiphenyl	96%	40-140
13015-MG-W	15010072	Tetrachloro-m-xylene	86%	40-140
LCS Dup-1501799	LCS Dup-1501799	Decachlorobiphenyl	87%	40-140
LCS Dup-1501799	LCS Dup-1501799	Tetrachloro-m-xylene	83%	40-140
LCS-1501799	LCS-1501799	Decachlorobiphenyl	104%	40-140
LCS-1501799	LCS-1501799	Tetrachloro-m-xylene	81%	40-140
MB-1501799	MB-1501799	Decachlorobiphenyl	97%	40-140
MB-1501799	MB-1501799	Tetrachloro-m-xylene	83%	40-140
MSPK-1501799	MSPK-1501799	Decachlorobiphenyl	103%	40-140
MSPK-1501799	MSPK-1501799	Tetrachloro-m-xylene	77%	40-140

* Recovery outside limits

NVL Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: **1501799** Contract: **N/A**

Determination: **8082 PCB Aroclors <Material>**

Run	Sample	Source	Analyzed	Analyte	True	Found	Unit	% Rec	Limits
R000244	CCV1 1016 -1260	PCB_2014-1-17	02/02/2015	Aroclor-1016	5	5	ug/mL	100	80-120
		PCB_2014-1-17	02/02/2015	Aroclor-1260	5	5	ug/mL	100	80-120
	CCV1 1254	PCB_2014-1-18	02/02/2015	Aroclor-1254	5	5	ug/mL	100	80-120
	ICV 1016-1260	PCB_2014-2-4	02/02/2015	Aroclor-1016	5	4.94	ug/mL	99	85-115
		PCB_2014-2-4	02/02/2015	Aroclor-1260	5	5.614	ug/mL	112	85-115
	CCV2 1016 - 1260	PCB_2014-1-17	02/02/2015	Aroclor-1016	5	4.743	ug/mL	95	80-120
		PCB_2014-1-17	02/02/2015	Aroclor-1260	5	4.695	ug/mL	94	80-120
	CCV2-1254	PCB_2014-1-18	02/02/2015	Aroclor-1254	5	4.959	ug/mL	99	80-120

% Rec = Percent recovery

* = Percent recovery not within control limits

NVL Laboratories, Inc.
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CHAIN of CUSTODY SAMPLE LOG

1501799

Client: NVL Laboratories Inc
Street: 4708 Aurora Ave N, Seattle, WA 98103
Project Manager: Munaf Khan
Project Location: 3100 Airport Way South, Seattle, WA 98134
Phone: (206) 447-0263 Fax: (206) 447-0299

NVL Batch Number:
Client Job Number: 2012-494
Total Samples: 4
Turn Around Time: ☐ 1 Hr ☐ 6 Hrs ☐ 3 Days ☐ 10 Days ☐ 2 Hrs ☐ 1 Day ☐ 4 Days ☐ 4 Hrs ☐ 2 Days ☒ 5 Days
Please call for TAT less than 24 Hrs
Email address:

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk	☐ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk	☐ Rotometer Calibration		

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☒ Other Types of Analysis: ☐ Fiberglass ☐ Nuisance Dust ☒ Other (Specify) PCB's, Bulk, EPA 8082
☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		13015-MG-N	BUILDING 13 NORTH CONCRETE	
2		13015-MG-S	BUILDING 13 SOUTH CONCRETE	
3		E	BUILDING 13 EAST CONCRETE	
4		W	BUILDING 13 WEST CONCRETE	
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Marcus Gudgeon		NVL Labs	1-30-15	11:00
Relinquished by					13:45
Received by	Munaf Khan		NVL Labs	1/30/15	1:45
Analyzed by	Evelyn Ahnlu		NVL	2/2/15	14:58
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Results report to

ANALYSIS REPORT

Polychlorinated Biphenyls by Gas Chromatography

Client	**NVL Field Services Division**	Samples Received*	**2**
SDG Number	**1421389.00**	Analyzed By	**Evelyn Ahulu**
Date Reported	**12/08/2014**	Samples Analyzed*	**2**
Project Number	**2012-494**	Analysis Method	**8082A**
Location	**3100 Airport Way South, Seattle, WA 98134**	Preparation Method	**3546PR (PCB)**

* for this test only

Sample Number	**12114-PCB-1**	Received	12/01/2014
Lab Sample ID	14145438	Matrix	Material
Initial Sample Size	2.0219 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.99	< 0.99	12/04/2014
Aroclor-1221	0.99	< 0.99	12/04/2014
Aroclor-1232	0.99	< 0.99	12/04/2014
Aroclor-1242	0.99	< 0.99	12/04/2014
Aroclor-1248	0.99	< 0.99	12/04/2014
Aroclor-1254	0.99	1.1	12/04/2014
Aroclor-1260	0.99	< 0.99	12/04/2014
PCBs, Total	**0.99**	**1.1**	

Comments: Bldg. 11 W. Sandstone

Sample Number	**12114-PCB-2**	Received	12/01/2014
Lab Sample ID	14145439	Matrix	Material
Initial Sample Size	2.0009 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	1.0	< 1.0	12/04/2014
Aroclor-1221	1.0	< 1.0	12/04/2014
Aroclor-1232	1.0	< 1.0	12/04/2014
Aroclor-1242	1.0	< 1.0	12/04/2014
Aroclor-1248	1.0	< 1.0	12/04/2014
Aroclor-1254	1.0	< 1.0	12/04/2014
Aroclor-1260	1.0	< 1.0	12/04/2014
PCBs, Total	**1.0**	**<1**	

Comments: Bldg. 13 N. Concrete

Phone: 206.547.0100 | Fax: 206.634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
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NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

CHAIN of CUSTODY SAMPLE LOG

1421389

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
Seattle, WA 98103
Project Manager Munaf Khan
Project Location 3100 Airport Way South
Seattle, WA 98134

NVL Batch Number
Client Job Number 2012-494
Total Samples 2
Turn Around Time ☐ 1 Hr ☐ 6 Hrs ☐ 3 Days ☐ 10 Days ☐ 2 Hrs ☐ 1 Day ☐ 4 Days ☐ 4 Hrs ☐ 2 Days ☒ 5 Days
Please call for TAT less than 24 Hrs
Email address

Phone: (206) 447-0263 **Fax:** (206) 447-0299

☐ **Asbestos Air**	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II)	☐ Other
☐ **Asbestos Bulk**	☐ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK	
☐ **Mold/Fungus**	☐ Mold Air	☐ Mold Bulk	☐ **Rotometer Calibration**		

METALS	**Det. Limit**	**Matrix**		**RCRA Metals**		**Other Metals**
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☒ **Other Types of Analysis** ☐ Fiberglass ☐ Nuisance Dust ☒ Other (Specify) PCB's - Bulk - EPA 8082
☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		12114-PCB-1	BLDG 11 W. SANDSTONE	
2		12114-PCB-2	BLDG 13 N. CONCRETE	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Marcus Gordon		NVL Labs	12/1/14	13:00
Relinquished by					16:00
Received by				12/1/14	16:00
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Results report to

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Analysis Report
Polychlorinated Biphenyls (PCBs)

NVL LABS INDUSTRIAL HYGIENE SERVICES

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Marcus Gladden
Project Location: 3100 Airport Way South Seattle,WA 98134

NVL Batch #: 1418022.00
Method No.: EPA 8082
Client Project #: 2012-494
Date Received: 10/9/2014
Matrix: Bulk
Samples Received: 2
Samples Analyzed: 2

Lab Sample ID:	14128826	14128827		
Client Sample ID:	10914-BULK-1	10914-BULK-2		
Sample Description:	Blue Paint, Bldg. 13 SW	Sandstone, Bldg. 10 W		
Sample Weight (g)	1.0403	2.0156		
PCB Type	mg/Kg(ppm)	mg/Kg(ppm)		
Aroclor 1016	ND	ND		
Aroclor 1221	ND	ND		
Aroclor 1232	ND	ND		
Aroclor 1242	ND	ND		
Aroclor 1248	ND	ND		
Aroclor 1254	100.00	2.8		
Aroclor 1260	29.00	1.5		
Total: PCB Concentration	129.0	4.3		
Reporting Limit (RL)	19.0	1.0		

Remarks: mg/Kg = Milligrams per kilogram
ppm = Parts per million by weight
ND = None Detected (less than RL)
<RL = Below the reporting limit of instrument

Sampled by: Client
Analyzed by: Shalini Patel **Date:** 10/10/2014
Reviewed by: Nick Ly **Date:** 10/10/2014

Nick Ly, Technical Director

Preparation and analysis of these samples were conducted in accordance with published test methods. Unless stated otherwise, the condition of all samples was acceptable at time of receipt. Reported sample results are based on dry weight and method QC results are acceptable unless stated otherwise. If samples were not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc.. Responsibility for interpretation of the reported data rests with the client.

RCLLC 0007038

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

CHAIN of CUSTODY SAMPLE LOG

1418022

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
Seattle, WA 98103
Project Manager Munaf Khan
Project Location 3100 Airport Way South
Seattle, WA 98134

NVL Batch Number
Client Job Number 2012-494
Total Samples 2
Turn Around Time ☐ 1 Hr ☐ 6 Hrs ☐ 3 ☐ 10 ☐ 2 Hrs ☒ 1 ☐ 4 ☐ 4 Hrs ☐ 2 ☐ 5
Please call for TAT less than 24 Hrs
Email address

Phone: (206) 447-0263 **Fax:** (206) 447-0299

☐ **Asbestos Air** ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other

☐ **Asbestos Bulk** ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK

☐ **Mold/Fungus** ☐ Mold Air ☐ Mold Bulk ☐ **Rotometer Calibration**

METALS	**Det. Limit**	**Matrix**		**RCRA Metals**	☐ All 8	**Other Metals** ☐ **All 3**
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ Chromium (C	☐ Copper (Cu)
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Lead (Pb)	☐ Nickel (Ni)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cr	☐ Cadmium (Cd)	☐ Mercury (Hg)	☐ Zinc (Zn)

☒ **Other Types of Analysis** ☐ Fiberglass ☐ Nuisance Dust ☒ Other (Specify) PCB's - Bulk
☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		10914-Bulk-1	Blue Paint, Bldg 13 SW	
2		2	Sandstone, Bldg 10 W	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Marcus Gladden		NVL Labs	10/9/14	11:30
Relinquished by					14:15
Received by	Midori Kaku		NVL	10/9/14	1415
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Results report to

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Analysis Report
Polychlorinated Biphenyls (PCBs)

NVL LABS
INDUSTRIAL HYGIENE SERVICES

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Munaf Khan
Project Location: 3100 Airport Way South. Seattle, WA 98134

NVL Batch No. 1417235
Method No.: EPA 8082
Client Project #: 2012-494
Date Received: 9/29/2014
Matrix: Bulk
Samples Received: 2
Samples Analyzed: 2

Lab Sample ID:	14125190	14125191		
Client Sample ID:	Bldg-11 West	Bldg-13 North		
Sample Description:	West Wall Concrete	North Wall Concrete		
Sample Weight (g)	2.2160	2.0110		
PCB Type	mg/Kg(ppm)	mg/Kg(ppm)		
Aroclor 1016	ND	ND		
Aroclor 1221	ND	ND		
Aroclor 1232	ND	ND		
Aroclor 1242	ND	ND		
Aroclor 1248	ND	ND		
Aroclor 1254	1.9	ND		
Aroclor 1260	1	ND		
Total: PCB Concentration	2.9	ND		
Reporting Limit (RL)	0.9	1.0		

Remarks: mg/Kg = Milligrams per kilograms
ppm = Parts per million by weight

ND = None Detected (less than RL)
<RL = Below the reporting limit of instrument

Sampled by: Client
Analyzed by: Evelyn Ahulu **Date:** 10/01/2014
Reviewed by: Nick Ly **Date:** 10/02/2014

Nick Ly, Technical Director

Preparation and analysis of these samples were conducted in accordance with published test methods. Unless stated otherwise, the condition of all samples was acceptable at time of receipt. Reported sample results are based on dry weight and method QC results are acceptable unless stated otherwise. If samples were not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc.. Responsibility for interpretation of the reported data rests with the client.

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel: 206.547.0100 Emerg. Cell: 206.914.4646
1.888.NVL.LABS (685.5227) www.nvllabs.com

CHAIN of CUSTODY SAMPLE LOG

1417235

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
Seattle, WA 98103
Project Manager Munaf Khan
Project Location 3100 Airport Way South
Seattle, WA 98134

NVL Batch Number
Client Job Number 2012-494
Total Samples 2
Turn Around Time ☐ 1 Hr ☐ 6 Hrs ☒ 3 ☐ 10 ☐ 2 Hrs ☐ 1 ☐ 4 ☐ 4 Hrs ☐ 2 ☐ 5
Please call for TAT less than 24 Hrs
Email address

Phone: (206) 447-0263 **Fax:** (206) 447-0299

☐ **Asbestos Air** ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other

☐ **Asbestos Bulk** ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK

☐ **Mold/Fungus** ☐ Mold Air ☐ Mold Bulk ☐ **Rotometer Calibration**

METALS	**Det. Limit**	**Matrix**		**RCRA Metals** ☐ All 8		**Other Metals** ☐ All 3
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Aluminum (AL)	☐ Beryllium (Be	☐ Copper (Cu)
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Arsenic (As)	☐ Bismuth (Bi)	☐ Nickel (Ni)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cr	☐ Barium (Ba)	☐ Boron (B)	☐ Zinc (Zn)

☐ **Other Types of Analysis** ☐ Fiberglass ☐ Nuisance Dust ☒ Other (Specify) Organics Bulk
☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		Bldg -- 11 west	west wall concrete	
2		Bldg - 13 north	north wall concrete	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Munaf Khan	Munaf Khan	NVL Labs	9.29.14	
Relinquished by	Munaf Khan	Munaf Khan	↓	9.29.14	11:50am
Received by	Fatimatton	[illegible]	NVL Labs	9/29/14	1:15pm
Analyzed by	Evelyn Ahmlin	[illegible]	NVL Labs	10/1/14	15:00
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Results report to MUNAF

NVL Laboratories, Inc.
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Analysis Report
Polychlorinated Biphenyls (PCBs)

NVL LABS INDUSTRIAL HYGIENE SERVICES

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Munaf Khan
Project Location: 3100 Airport Way South Seattle, WA 98134

NVL Batch No. 1413963.00
Method No.: EPA 8082
Client Project #: 2012-494
Date Received: 8/12/2014
Matrix: Bulk
Samples Received: 4
Samples Analyzed: 4

Lab Sample ID:	14108005	14108006	14108007	14108008
Client Sample ID:	8414MK-1	8414MK-2	8414MK-3	8414MK-4
Sample Description:	West side 1	West side 1A	South side	East side
Sample Weight (g)	2.0523	2.0463	2.0108	2.0073
PCB Type	mg/Kg(ppm)	mg/Kg(ppm)	mg/Kg(ppm)	mg/Kg(ppm)
Aroclor 1016	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND
Aroclor 1254	1.5	2.5	1.3	ND
Aroclor 1260	1	ND	ND	ND
Total: PCB Concentration	2.5	2.5	1.3	ND
Reporting Limit (RL)	1.0	1.0	1.0	1.0

Remarks: mg/Kg = Milligrams per kilograms
ppm = Parts per million by weight
ND = None Detected (less than RL)
<RL = Below the reporting limit of instrument

Sampled by: Client
Analyzed by: Evelyn Ahulu **Date:** 08/18/2014
Reviewed by: Nick Ly **Date:** 08/18/2014

Nick Ly, Technical Director

Preparation of these samples were conducted in accordance with EPA Method 3546 or other published test methods as noted in this report. Unless stated otherwise, the condition of all samples was acceptable at time of receipt. Reported sample results are based on dry weight and method QC results are acceptable unless stated otherwise. If samples were not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc.. Responsibility for interpretation of the reported data rests with the client.

RCLLC 0007042

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1.888.NVL.LABS (685.5227) www.nvllabs.com

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID 1413963

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
Seattle, WA 98103
Project Manager Munaf Khan
Project Location 3100 Airport Way South
Seattle, WA 98134

NVL Batch Number
Client Job Number 2012-494
Total Samples 4
Turn Around Time ☐ 1-Hr ☐ 8-Hrs ☐ 2 ☒ 5 ☐ 2-Hrs ☐ 12-Hrs ☐ 3 ☐ 6-10 ☐ 4-Hrs ☐ 24-Hrs ☐ 4
Please call for TAT less than 24 Hrs
Email address

Phone: (206) 447-0263 **Fax:** (206) 447-0299

☐ **Asbestos Air** ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other

☐ **Asbestos Bulk** ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK

☐ **Mold/Fungus** ☐ Mold Air ☐ Mold Bulk ☐ **Rotometer Calibration**

METALS	**Det. Limit**	**Matrix**		**RCRA Metals**		**Other Metals**
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (C	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cr	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☒ **Other Types of Analysis** ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☒ Other (Specify) PCB's

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		8414MK-1	West side 1	
2		2	1A	
3		3	South side	
4		4	East side	
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Munaf Khan	[signature]	NVL LABS	8-4-14	
Relinquished by	Munaf Khan	[signature]	↓	8-12-14	
Received by	Sc Sheever	[signature]	NVL	8/12/14	1700
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Results report to MUNAF